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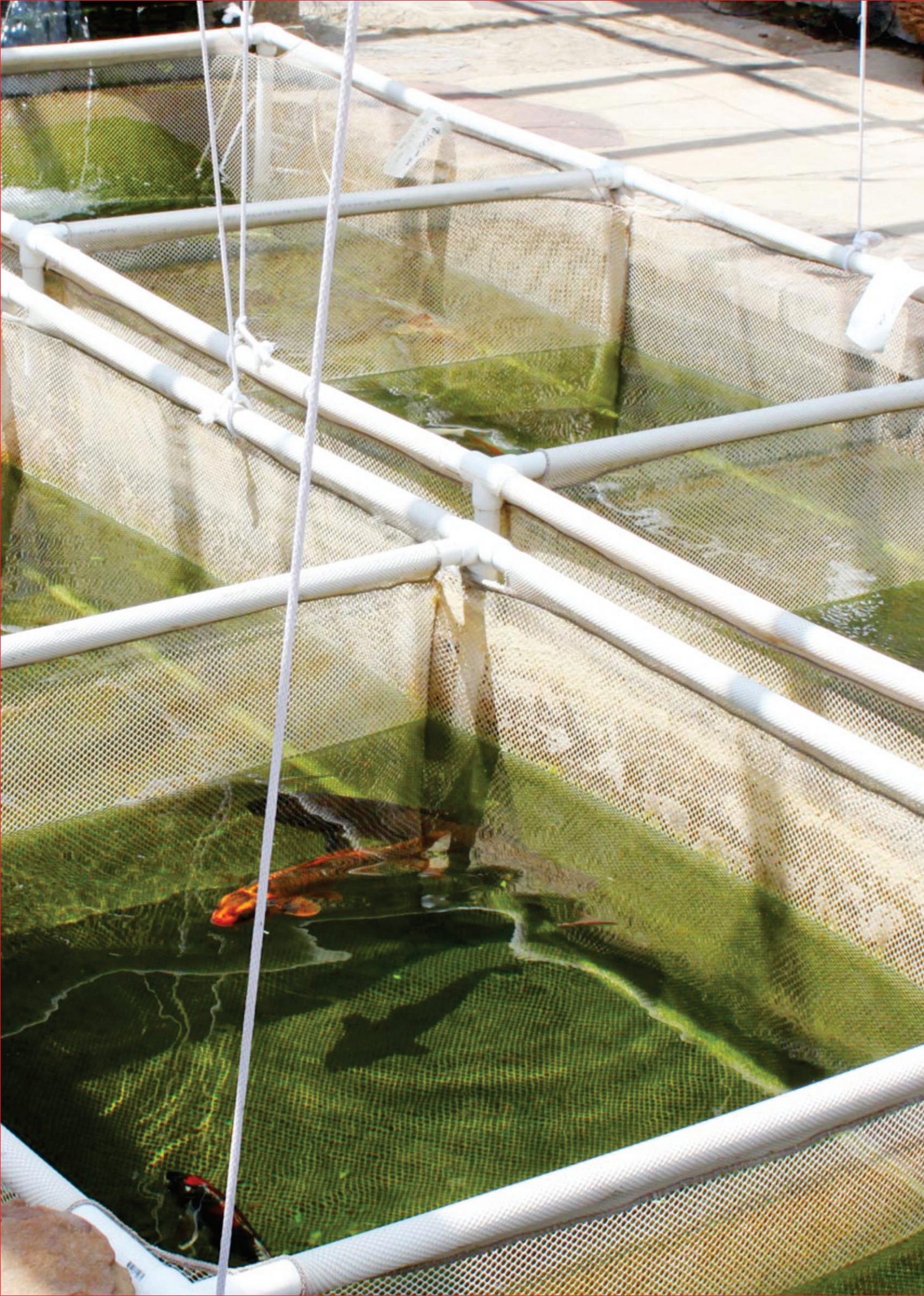
DEPARTMENT OF FISHERIES
GOVERNMENT OF INDIA

GLOBAL FISHERIES CONFERENCE INDIA 2023

Handbook on Fisheries Statistics 2023







HANDBOOK ON
FISHERIES STATISTICS
2023

Department of Fisheries
Ministry of Fisheries, Animal Husbandry & Dairying
Government of India, New Delhi

November, 2023

Compiled by

Fisheries Statistics Division
Department of Fisheries
Ministry of Fisheries, Animal Husbandry & Dairying
Government of India

Contents

Foreword Message by Shri Parshottam Rupala, Hon'ble Union Minister of Fisheries, Animal Husbandry and Dairying, Govt. of India 5

Foreword Message by Dr. L. Murugan, Hon'ble Minister of State for Information & Broadcasting and Fisheries, Animal Husbandry and Dairying, Govt. of India 6

Foreword Message by Dr. Sanjeev Kumar Balyan, Hon'ble Minister of State for Fisheries, Animal Husbandry and Dairying, Govt. of India 7

Foreword Message by Dr. Abhilaksh Likhi, IAS, Secretary, Department of Fisheries, Govt. of India 8

Executive Summary 9

Chapter 1: Fish Production in India 11

Chapter 2: Disposition of Fish 35

Chapter 3: Consumption of Fish in India 43

Chapter 4: Fisheries Economy 47

Chapter 5: Fisheries Export 57

Chapter 6: Fishermen Population 75

Chapter 7: Fisheries Resources 83

Chapter 8: Expenditure on Fisheries Sector 91

Chapter 9: Fisheries Welfare 99

Chapter 10: Human Resource Development 105

Chapter 11: Fisheries Institute 115

- 1. National Fisheries Development Board (NFDB) 117
- 2. Central Institute of Fisheries Nautical and Engineering Training (CIFNET) 145
- 3. National Institute of Fisheries Post-Harvest Technology (NIFPHATT) 154
- 4. Central Institute of Coastal Engineering for Fishery (CICEF), Bengaluru 161
- 5. Coastal Aquaculture Authority (CAA) 172
- 6. Fisheries Survey of India (FSI) 177

Chapter 12: International Scenario 197

Chapter 13: Post-Harvest Infrastructure 205

Chapter 14: Fisheries Development 217

- 1. Development of Fisheries Sector Under Blue Revolution Scheme 219
- 2. Beneficiary oriented activities under PMMSY 237

Chapter 15: Fisheries and Aquaculture Infrastructure Development Fund (FIDF) 281

Chapter 16: Kisan Credit Card (KCC) for Fisheries Sector 287

List of Figures

Figure 1: Fish Production in India 13
Figure 2: Trend in All India Fish Production 15
Figure 3: Inland Production FY 2022-23(in Lakh Tonnes) 17
Figure 4: Marine Production FY 2022-23(in Lakh Tonnes) 18
Figure 5: All India Production FY 2022-23(in Lakh Tonnes) 19
Figure 6: Disposition of Fish Catch 37
Figure 7: Year-wise disposition of Fish Catch 38
Figure 8: Disposition of Fish Catch, 2021-22: Top 10 States/UTs (In Lakh Tonnes) 40
Figure 9:Disposition of Fish Catch, 2022-23: Top 10 State/UTs (In Lakh Tonnes) 41
Figure 10: Trend of Percentage Contribution of GVA due to Fisheries Sector over the total GVA of Agriculture Sector (Current Price) 49
Figure 11: Trend of Percentage Growth of GVA of Fisheries (Current Basic Prices) 50
Figure 12: Trend of Percentage Contribution of GVA due to Fisheries Sector over the total GVA of Agriculture Sector (Constant Price: 2011-12) 51
Figure 13: Trend of Percentage Growth of GVA of Fisheries (Constant Prices): All India 51
Figure 14: Top 5 States\UTs (2022-23) Year wise trend in Gross State Value Added of Fisheries and Aquaculture Sector (Current Prices) 53
Figure 15: Top 5 States\UTs (2022-23) Year wise trend in Gross State Value Added of Fisheries and Aquaculture Sector (Constant Prices) 55
Figure 16: Trend of Export of Marine Products in US$(Million) 60
Figure 17: Trend of Export of Marine Products in Quantity (Tonnes) 60
Figure 18: Trend of Export of Marine Products in Value (Rs. in Crore) 60
Figure 19: Export of Marine Products 2022-23: Item-wise Quantity (In MT) 62
Figure 20: Export of Marine Products 2022-23: Item-wise Value (Rs. in Crore) 62
Figure 21: Market-wise percentage share of Export in Quantity (In MT) 64
Figure 22: Male Fishermen Population, 2019-20 78
Figure 23: Female Fishermen Population, 2019-20 79
Figure 24: Total Fishermen Population, 2019-20 79
Figure 25: Total Gender-wise Inland and Marine Fishermen Population, 2019-20 79
Figure 26: Percentage of Coastal length (Km) for Coastal States and UTs of India 85
Figure 27: Percentage of Landing Centres for Coastal States and UTs of India 86
Figure 28: Percentage of Fishing Villages for Coastal States and UTs of India 86
Figure 29: Year-wise approved outlay and expenditure for development of fisheries under PMMSY 93
Figure 30: States/UTs-wise release in fisheries sector during 2015-16 to 2019-20 and 2020-21 to 2022-23 (PMMSY) 95
Figure 31: Contribution of World in Fish Production (in MMT) 199
Figure 32: Contribution of India to World Fish Production (in MMT) 199
Figure 33: Percentage of Fish Production of Major Countries, 2021 201
Figure 34: Percentage of Inland Capture Fish Production of Major Countries, 2021 202
Figure 35: Percentage of Marine Capture Fish Production of Major Countries, 2021 204

परशोत्तम रूपाला
PARSHOTTAM RUPALA

सत्यमेव जयते

मंत्री
मत्स्यपालन, पशुपालन एवं डेयरी
भारत सरकार
Minister
Fisheries, Animal Husbandry and Dairying
Government of India

D.O. No.2621/MIN(FAH&D)/2023-24

13 NOV 2023



Message

It gives me an immense pleasure that the latest edition of the Handbook on Fisheries Statistics (2023), a definitive publication crafted by the Department of Fisheries, released on the auspicious occasion of World Fisheries Day 2023. Our tireless efforts are steadfastly directed toward the holistic development of the fisheries sector, with a singular focus on enhancing the lives of Indian fishermen and fishing communities. As we embark on this transformative journey, it remains our utmost priority to safeguard the well-being of our marine ecosystems and the communities intricately entwined with them.

I am delighted to share the extraordinary progress we have achieved in terms of fish production. This remarkable feat not only underscores the sustainable growth trajectory of the fisheries sector but also amplifies its profound contribution to our nation's economic prosperity. Indeed, the fisheries sector has emerged as one of the key beacons illuminating India's unprecedented growth story.

The Handbook provides a treasure trove of insights, best practices, and the latest developments in the fisheries sector. It is my firm belief that this invaluable resource will play a pivotal role in disseminating crucial information and fostering the exchange of knowledge. The data reveals that we are nurturing a stronger, more sustainable future for our cherished fisheries communities.

I am sure that this handbook will be very useful for fisheries communities, related stakeholders, researchers & academic. The team lead by Dr Abhilaksh Likhi, Secretary (Fisheries).Shri Sagar Mehra, Joint Secretary (Inland Fisheries) and Smt Neetu Kumari Prasad, Joint Secretary (Marine Fisheries) had put in best efforts to bring out this timely publication.

As we celebrate the strides made in the fisheries sector, let us remain steadfast in our dedication to continuous learning, innovation, and collaborative efforts. Together, let us chart a course toward a future where our fisheries sector not only thrives but also serves as a model of sustainable development for the entire world.

(Parshottam Rupala)

Delhi Office : Room No. 234, 'B' Wing, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110 001
Tele.: +91-11-23380780, **Fax:** +91-11-23380783, **E-mail:** rupalaoffice@gmail.com
Gujarat State Camp Office : Plot No. 219, Sector-20, Gandhinagar-382 020, Tele.: 079-23260013
Website : https://dahd.nic.in

डॉ. एल. मुरूगन
Dr. L. MURUGAN

राज्य मंत्री
सूचना एवं प्रसारण मंत्रालय और
मत्स्य पालन, पशुपालन और डेयरी मंत्रालय
भारत सरकार
MINISTER OF STATE FOR
INFORMATION & BROADCASTING AND
FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
GOVERNMENT OF INDIA

13 NOV 2023



Message

As we reflect on the remarkable strides made by the Indian fisheries sector, we stand proud of its achievements. India ranks among the top nations in both capture fisheries and fish farming. The Fisheries sector significantly enriches our nation's economic landscape.

Thanks to the robust decision making, sound policies and sustained reforms over the last nine years under the dynamic leadership of Prime Minister Shri Narendra Modi, the Indian Fisheries Sector has strongly emerged as a sunrise sector, showing spectacular production and exports growth, generating employment and livelihood opportunities and ensuring the food and nutritional security to our people. The sectoral statistical data generated through various activities in this journey and the insights derived therefrom form a useful basis to understand and analyse the impact of policies, and also illuminate the path lying ahead.

I am delighted to witness the release of the Handbook on Fisheries Statistics 2023, which meticulously documents the incredible journey of fisheries and aquaculture in our country.

I am sure that this handbook will be very useful for fisheries communities, stakeholders, entrepreneurs, startups, researchers, academia and public policy professionals, paving the way for the bright future of Indian Fisheries.

(Dr. L. Murugan)

कमरा सं. : 119, 'ए' विंग, शास्त्री भवन, नई दिल्ली-110 001
दूरभाष : +91-11-23381193, 23381194, ई–मेल : mos-moib@gov.in
Room No. 119, 'A' Wing, Shastri Bhawan, New Delhi-110 001

डॉ0 संजीव कुमार बालियान
DR. SANJEEV KUMAR BALYAN

सत्यमेव जयते

राज्य मंत्री
मत्स्यपालन, पशुपालन एवं डेयरी मंत्रालय
भारत सरकार
कृषि भवन, नई दिल्ली–110001

MINISTER OF STATE FOR FISHERIES,
ANIMAL HUSBANDRY & DAIRYING
GOVERNMENT OF INDIA
KRISHI BHAWAN, NEW DELHI-110001

13 NOV 2023



MESSAGE

I am deeply cognizant of the pivotal role that fisheries play in ensuring global food security, fostering livelihoods and driving economic growth for millions of people worldwide. In this context, the significance of accurate and up-to-date statistics cannot be overstated; they form the bedrock upon which informed policies and decisions are built.

Today, I take immense pride in introducing this comprehensive handbook, a testament to the dedication and tireless efforts of our fisheries experts, statisticians and researchers. Their collaborative spirit has resulted in a wealth of data and insights meticulously compiled within these pages, offering a profound understanding of the state of our fisheries resources.

I wholeheartedly encourage all stakeholders to utilize this handbook to make well-informed decisions. These decisions, rooted in data-driven insights, are pivotal in preserving our fisheries resources for the benefit of future generations. Achieving this goal demands a comprehensive approach – one that integrates sustainable management practices, active stakeholder engagement, climate change adaptation and robust public awareness initiatives.

I am sure that this handbook will be very useful for fisheries communities, related stakeholders, researchers and academic. This team led by Dr. Abhilaksh Likhi, Secretary, Smt. Neetu Kumari Prasad, Joint Secretary (Marine Fisheries) and Shri Sagar Mehra, Joint Secretary (Inland Fisheries), Department of Fisheries, had put in best efforts to bring out this timely publication.

As we reaffirm our commitment to sustainable fisheries management, I am optimistic that this handbook will serve as a foundational tool, empowering us to navigate the complexities of our endeavor. Together, let us continue our journey towards a future where our fisheries thrive, supporting not just our present needs, but also the aspirations of generations yet to come.

(Dr. Sanjeev Kumar Balyan)

Office: 199J Krishi Bhawan, New Delhi-110001 , Tel: 011-23380379, 011-23380378

Dr. Abhilaksh Likhi, IAS
Secretary
डॉ अभिलक्ष लिखी, भा.प्र.से.
सचिव

सत्यमेव जयते

भारत सरकार
मत्स्यपालन, पशुपालन एवं डेयरी मंत्रालय
मत्स्यपालन विभाग
कृषि भवन, नई दिल्ली–110001
Government of India
Ministry of Fisheries,
Animal Husbandry & Dairying
Department of Fisheries
Krishi Bhawan, New Delhi-110001

13 NOV 2023



Message

The creation of a dedicated Department of Fisheries, followed by the establishment of the Ministry of Fisheries, Animal Husbandry & Dairying, stands as a testament to the burgeoning significance of the fisheries sector in the national economy. This strategic move has provided the necessary impetus for the comprehensive development of fisheries on a scale commensurate with its growing importance.

The Indian fisheries and aquaculture sector not only play a pivotal role nationally but also hold a significant position in global fisheries. India proudly stands as the global leader in cultured shrimp production, the second-largest Aquaculture Producer, the third-largest Fish Producer, the fourth-largest Capture Fish Producer, the sixth-largest Marine Capture Fish Producer, and the fourth-largest exporter of fish and fisheries products. These remarkable achievements underscore our nation's pivotal role on the global fisheries stage. The fish production in India has increased from 102.6 lakh tonne in 2014-15 to 175.45 lakh tonne in 2022-23.

The Statistics Handbook, meticulously compiled to highlight the evolutionary trajectory of the fisheries sector, serves as more than just a historical record. It records on past challenges and presenting insightful analyses of the sector's current achievements. Moreover, it delineates the pathways that lie ahead, providing a roadmap for the sector to optimize its performance in the future. I emphatically urge practitioners, researchers, planners, and all stakeholders in the fisheries domain to leverage the invaluable insights contained within this Handbook.

I extend my deepest appreciation to the dedicated team led by Shri Sagar Mehra Joint Secretary, (Inland Fisheries) and Smt Neetu Kumari Prasad Joint Secretary, (Marine Fisheries) whose meticulous efforts have culminated in this invaluable resource in a timely manner.

I express my confidence that this Handbook, enriched by global perspectives, will serve as a cornerstone for informed decision-making, strategic planning, and innovative interventions within the fisheries sector. May this resource empower us to navigate the complexities of our field, ensuring sustainable growth & development prosperity for all involved.

(Dr. Abhilaksh Likhi)

Office: Room No. 220, Krishi Bhawan, New Delhi-110001 • दूरभाष / phone: 23381994, 23070370
E-mail: secy-fisheries@nic.in

Executive Summary

- The Sixteenth edition of the "Handbook on Fisheries Statistics 2023" covers the latest data for the Financial Year 2022-2023 and significant information related to various domain of fisheries sector mainly fish production and productivity, disposition of fish, fisheries economy, expenditure on fisheries sector, exports, fishermen population, fisheries resources, fishers welfare, fisheries institutes, international scenario, post-harvest infrastructure and fisheries development. The main objective for making this handbook is to provide a platform to disseminate information about the latest developments, improvements, achievements, and knowledge about various initiatives under fisheries sector for the benefits of researchers, planners, entrepreneurs & other stakeholders.
- Fisheries and Aquaculture remains to be an important source of food, nutrition, income, and livelihood to about 28 million fishers and fish farmers at the primary level and almost twice the number along the value chain. Fish is an affordable and good source of animal protein, a good option to reduce hunger and malnutrition in the country. Indian Fisheries sector evolved gradually over the years and became an important socio-economic attribute for the nation. India is the third-largest fish and aquaculture-producing country and accounts for about 16% of total inland and 5% of total global marine fish production respectively.
- The fish production in India has maintained with the total production reaching an all-time high of 175.45 lakh tonnes during FY 2022-23, comprising 44.32 lakh tonnes marine and 131.13 lakh tonnes inland. State/UTs like Andhra Pradesh, West Bengal, Karnataka evolve to be the three major fish-producing State in India during 2022-23.

  Disposition of Fish Catch covers activities such as Marketing Fresh, Frozen, Curing, Canning, Reduction etc. Marketing of the Fresh Fish is the highest practiced activity. India has been facing a constant growth in disposition of Fish catch during 2013-2023. Andhra Pradesh, West Bengal and Karnataka have highest disposition of Fish Catch in 2022-23.
- India is among the top 5 fish exporting countries in the world at third place preluded by China & Indonesia. About 1.1% contribution is of Fisheries sector in Indian economy and about 6.72% contribution is in agriculture. In 2022-23, the country exported 1.73 million MT of seafood worth US$ 8.09 billion which is all time high export by value.
- The "Handbook on Fisheries Statistics" is a valuable resource for fisheries professionals, researchers, policymakers, and stakeholders involved in the fisheries and aquaculture sector. By following the guidelines and principles outlined in this handbook, individuals and organizations can contribute to sustainable fisheries management, informed decision-making, and the responsible use of aquatic resources. This comprehensive guide aims to improve the accuracy and reliability of fisheries data, ultimately supporting the long-term sustainability of this vital industry.

Key Findings

1. Total fish production is 175.45 lakh tonnes, with marine fish production of 44.32 lakh tonnes and inland fish production of 131.13 lakh tonnes for the year 2022-23.

2. 17,35,286 tonnes of fisheries export valued at INR 63,969.14 crore, recorded for year 2022-23 as compared to 13,69,264 tonnes of fisheries export valued at INR 57,586.48 crore in 2021-2022.

3. Gross Value Added (GVA) by the Fisheries Sector increased to INR 2,88,526 crore in 2021-22, from Gross Value Addition of INR 252,512 in the year 2020-21.

4. India's contribution to the World Fish Production reached 8.92% in 2022-23

5. The total number of Fish Landing Centres across the Country are 1,547.

6. There are seven major Fishing Harbours, and Sixty-Three minor Fishing Harbours that have been commissioned.

7. A total of 1,66,052 Kisan Credit Cards (KCC) for fishers were sanctioned as on 27th October 2023.

8. In direction of the future, the integration of cage culture and RAS in fisheries provide several benefits such as water quality management, intensification of production, etc through PMMSY scheme.

Chapter

1

Fish Production In India







Fish Production in India

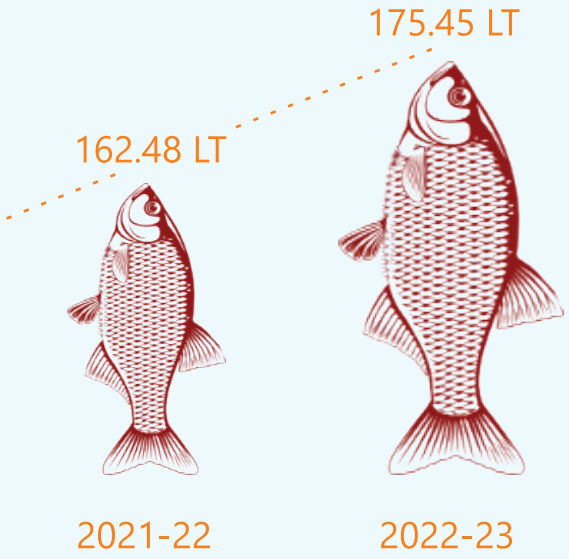


Figure 1: Fish Production in India

- Fish production in India has increased from 24.42 lakh tonnes in the year 1980-81 to 175.45 lakh tonnes in the year 2022-23.
- Average annual fish production growth rate is 7.98%.

Overall Fish Production in India

Table 1.1: Fish Production in India for the period 1980-81 to 2022-23

Year	Fish production (In Lakh Tonnes)			Annual Average Growth Rate (Percent)		
	Marine	Inland	Total	Marine	Inland	All India
1980-81	15.55	8.87	24.42	4.22	4.6	4.36
1981-82	14.45	9.99	24.44	-7.07	12.63	0.08
1982-83	14.27	9.4	23.67	-1.25	-5.91	-3.15
1983-84	15.19	9.87	25.06	6.45	5	5.87
1984-85	16.98	11.03	28.01	11.78	11.75	11.77
1985-86	17.16	11.6	28.76	1.06	5.17	2.68
1986-87	17.13	12.29	29.42	-0.17	5.95	2.29
1987-88	16.58	13.01	29.59	-3.21	5.86	0.58
1988-89	18.17	13.35	31.52	9.59	2.61	6.52
1989-90	22.75	14.02	36.77	25.21	5.02	16.66

Year	Fish production (In Lakh Tonnes)			Annual Average Growth Rate (Percent)		
	Marine	Inland	Total	Marine	Inland	All India
1990-91	23	15.36	38.36	1.1	9.56	4.32
1991-92	24.47	17.1	41.57	6.39	11.33	8.37
1992-93	25.76	17.89	43.65	5.27	4.62	5
1993-94	26.49	19.95	46.44	2.83	11.51	6.39
1994-95	26.92	20.97	47.89	1.62	5.11	3.12
1995-96	27.07	22.42	49.49	0.56	6.91	3.34
1996-97	29.67	23.81	53.48	9.6	6.2	8.06
1997-98	29.5	24.38	53.88	-0.57	2.39	0.75
1998-99	26.96	26.02	52.98	-8.61	6.73	-1.67
1999-00	28.52	28.23	56.75	5.79	8.49	7.12
2000-01	28.11	28.45	56.56	-1.44	0.78	-0.33
2001-02	28.3	31.26	59.56	0.68	9.88	5.3
2002-03	29.9	32.1	62.00	5.65	2.69	4.1
2003-04	29.41	34.58	63.99	-1.64	7.73	3.21
2004-05	27.79	35.26	63.05	-5.51	1.97	-1.47
2005-06	28.16	37.56	65.72	1.33	6.52	4.23
2006-07	30.24	38.45	68.69	7.39	2.37	4.52
2007-08	29.2	42.07	71.27	-3.44	9.41	3.76
2008-09	29.78	46.38	76.16	1.99	10.24	6.86
2009-10	31.04	48.94	79.98	4.23	5.52	5.02
2010-11	32.5	49.81	82.31	4.7	1.78	2.91
2011-12	33.72	52.94	86.66	3.75	6.28	5.28
2012-13	33.21	57.19	90.4	-1.51	8.03	4.32
2013-14	34.43	61.36	95.79	3.67	7.29	5.96
2014-15	35.69	66.91	102.6	3.66	9.04	7.11
2015-16	36	71.62	107.62	0.87	7.04	4.89
2016-17	36.25	78.06	114.31	1.14	8.63	6.12
2017-18	37.56	89.48	127.04	3.61	14.62	11.13
2018-19	38.53	97.2	135.73	2.58	8.62	6.84
2019-20	37.27	104.37	141.64	-3.2	7.37	4.35
2020-21	34.76	112.49	147.25	-6.7	7.8	4.00
2021-22	41.27	121.21	162.48	18.7	7.76	10.34
2022-23	44.32	131.13	175.45	7.39	8.18	7.98

Source: Department of Fisheries, State Govt./UTs Administration

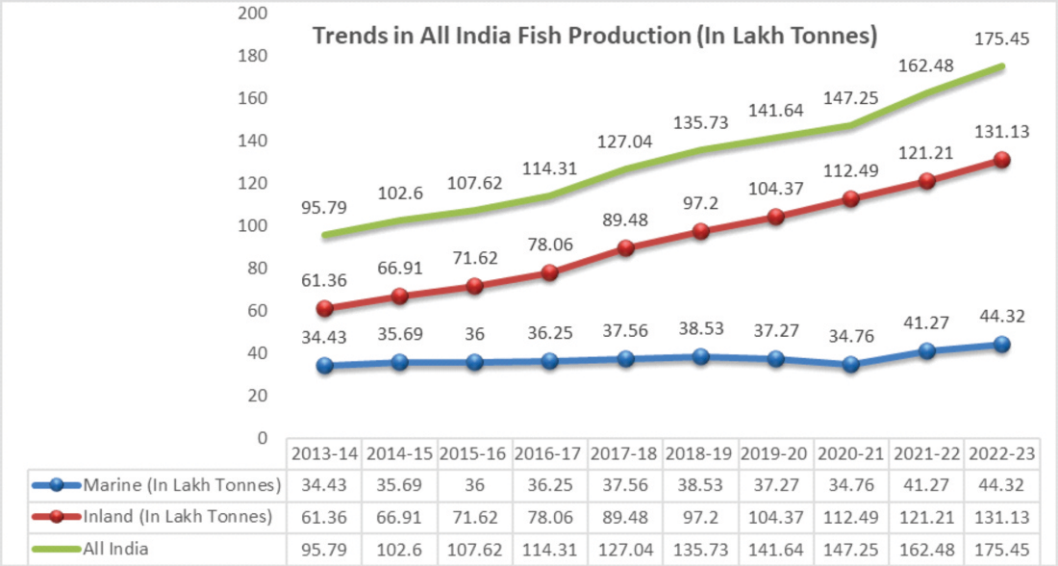


Figure 2: Trend in All India Fish Production

State-wise Fish Production

Top three major fish producing States /UTs in India which are Andhra Pradesh, West Bengal, Karnataka for year 2022-23.

Table 1.2 State-wise Fish Production, India (In lakh Tonnes)

States/UTs	2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		
	Inland	Marine	Inland	Marine	Inland	Marine	Inland	Marine	Inland	Marine	Inland	Marine	Total
Andhra Pradesh	28.45	6.05	33.91	6	36.1	5.64	40.7	5.54	42.19	5 94	45.06	6.00	51.06
Arunachal Pradesh	0.04	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.09	0.00	0.09
Assam	3.27	0.00	3.31	0.00	3.73	0.00	3.93	0.00	4.17	0.00	4.43	0.00	4.43
Bihar	5.88	0.00	6.02	0.00	6.41	0.00	6.83	0.00	7.62	0.00	8.46	0.00	8.46
Chhattisgarh	4.57	0.00	4.89	0.00	5.72	0.00	5.77	0.00	5.91	0.00	6.52	0.00	6.52
Goa	0.06	1.18	0.05	1.15	0.04	1.01	0.05	1.06	0.05	1.11	0.06	1.34	1.40
Gujarat	1.38	7.01	1.42	6.99	1.58	7.01	1.57	6.83	1.86	6.88	1.94	7.03	8.97
Haryana	1.9	0.00	1.8	0.00	1.91	0.00	2.03	0.00	2.08	0.00	2.12	0.00	2.12
Himachal Pradesh	0.13	0.00	0.13	0.00	0.14	0.00	0.15	0.00	0.16	0.00	0.17	0.00	0.17
Jharkhand	1.9	0.00	2.08	0.00	2.23	0.00	2.38	0.00	2.57	0.00	2.80	0.00	2.80
Karnataka	1.88	4.14	1.98	3.9	2.29	4.03	2.61	3.47	4.85	5.89	4.95	7.30	12.25
Kerala	1.89	4.84	1.92	6.09	2.05	4.75	2.24	3.92	2.25	6.01	2.30	6.91	9.21
Madhya Pradesh	1.43	0.00	1.73	0.00	2	0.00	2.49	0.00	2.93	0.00	3.42	0.00	3.42
Maharashtra	1.31	4.75	1	4.68	1.18	4.43	1.25	3.99	1.57	4.33	1.44	4.46	5.90
Manipur	0.33	0.00	0.32	0.00	0.32	0.00	0.33	0.00	0.33	0.00	0.34	0.00	0.34
Meghalaya	0.12	0.00	0.13	0.00	0.14	0.00	0.16	0.00	0.18	0.00	0.19	0.00	0.19
Mizoram	0.08	0.00	0.07	0.00	0.07	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.05
Nagaland	0.09	0.00	0.09	0.00	0.09	0.00	0.09	0.00	0.09	0.00	0.09	0.00	0.09
Odisha	5.34	1.51	6	1.59	6.6	1.58	7.01	1.72	7.89	2.01	8.39	2.13	10.52
Punjab	1.37	0.00	1.35	0.00	1.51	0.00	1.65	0.00	1.9	0.00	1.85	0.00	1.85
Rajasthan	0.54	0.00	0.55	0.00	1.16	0.00	0.6	0.00	0.66	0.00	0.79	0.00	0.79
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01

States/UTs	2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		
	Inland	Marine	Inland	Marine	Inland	Marine	Inland	Marine	Inland	Marine	Inland	Marine	Total
Tamil Nadu	1.85	4.97	1.7	5.2	1.74	5.83	1.75	5.48	2.12	5.95	2.32	5.97	8.29
Telangana	2.7	0.00	2.84	0.00	3	0.00	3.49	0.00	3.9	0.00	4.38	0.00	4.38
Tripura	0.77	0.00	0.7	0.00	0.78	0.00	0.82	0.00	0.82	0.00	0.83	0.00	0.83
Uttar Pradesh*	6.29	0.00	6.62	0.00	6.99	0.00	7.46	0.00	8.09	0.00	9.15	0.00	9.15
Uttarakhand	0.05	0.00	0.05	0.00	0.05	0.00	0.06	0.00	0.06	0.00	0.07	0.00	0.07
West Bengal	15.57	1.85	16.19	1.63	16.19	1.63	16.69	1.55	16.52	1.91	18.56	1.89	20.45
A and N Islands	0.00	0.39	0.00	0.4	0.00	0.4	0.00	0.43	0.00	0.44	0.00	0.47	0.47
Chandigarh	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D & Nagar Haveli and Daman and Diu	0.00	0.24	0.00	0.28	0.00	0.32	0.00	0.3	0.00	0.3	0.00	0.29	0.29
Delhi	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.21	0.00	0.21	0.00	0.21	0.00	0.21	0.00	0.25	0.00	0.27	0.00	0.27
Ladakh	NA	NA	NA	NA	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.21	0.00	0.22	0.00	0.2	0.00	0.15	0.00	0.12	0.00	0.11	0.11
Puducherry	0.07	0.42	0.07	0.4	0.07	0.44	0.05	0.34	0.08	0.39	0.05	0.42	0.46
India	**89.48**	**37.56**	**97.2**	**38.53**	**104.37**	**37.27**	**112.49**	**34.76**	**121.21**	**41.27**	**131.13**	**44.32**	**175.45**

Source: Department of Fisheries, State Government/UT Administration

NA- Not Available

**UP Fish Production data is provisional for FY 2022-2023*

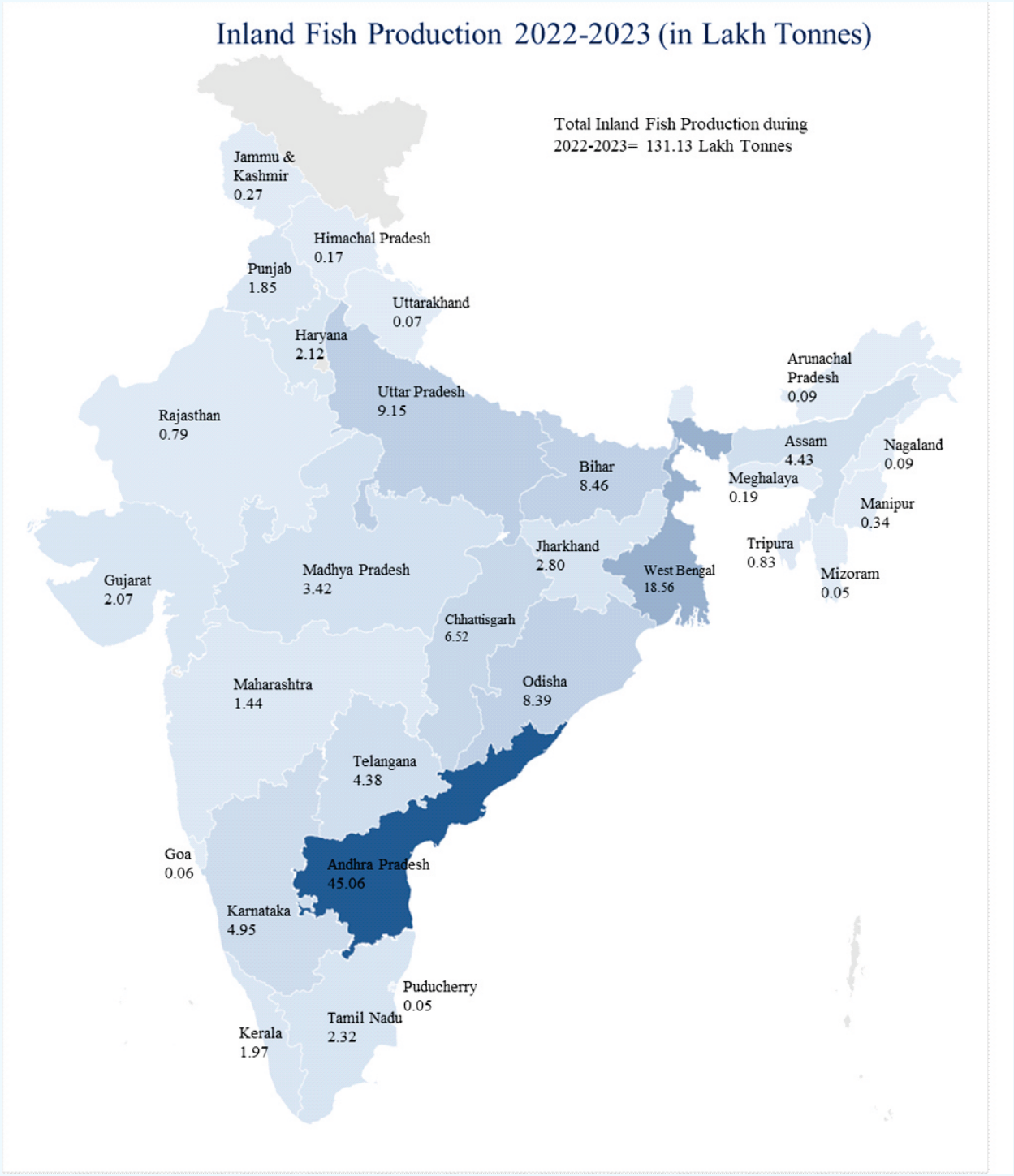


Figure 3: Inland Production FY 2022-23(in Lakh Tonnes)

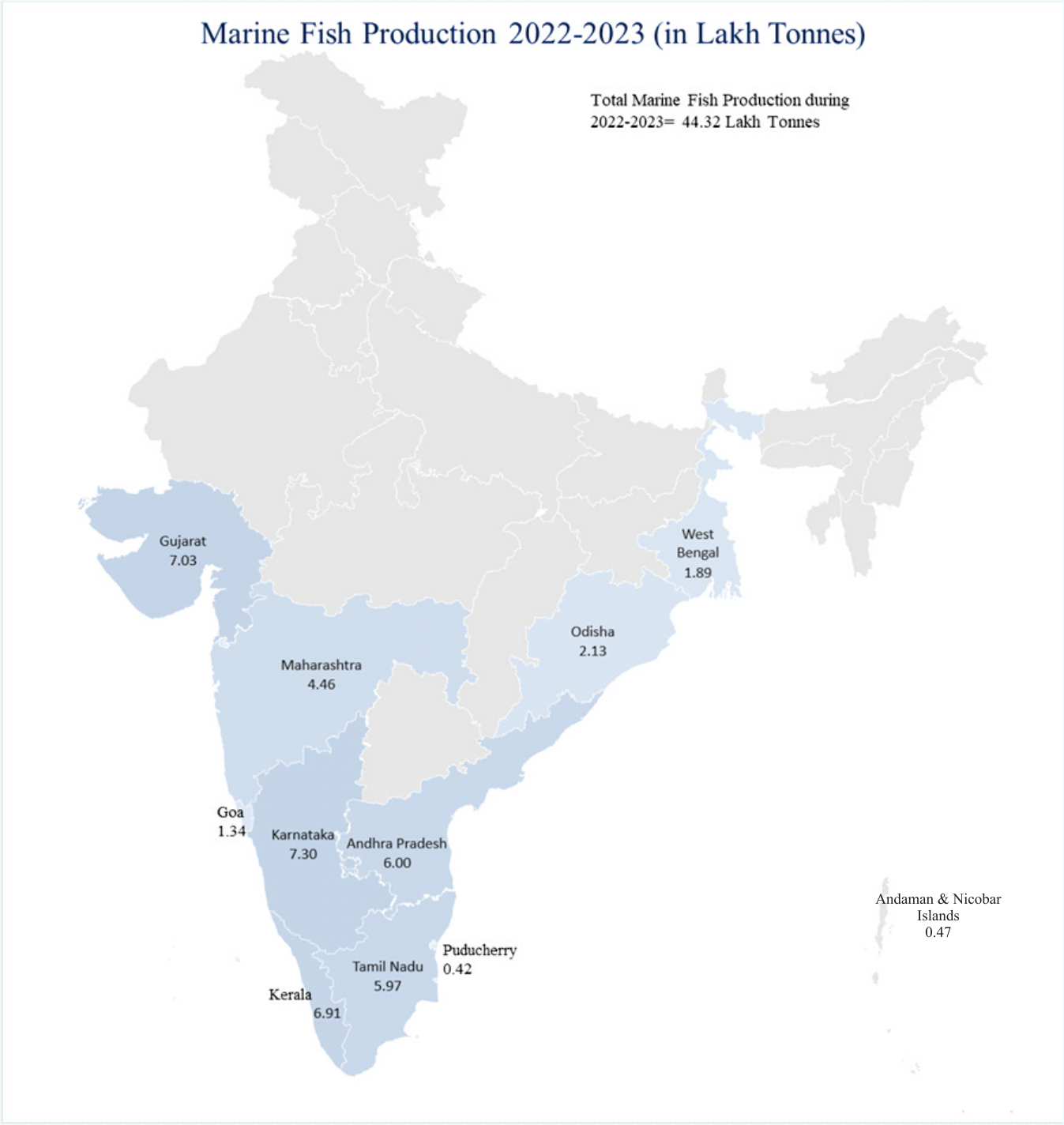


Figure 4: Marine Production FY 2022-23 (in Lakh Tonnes)

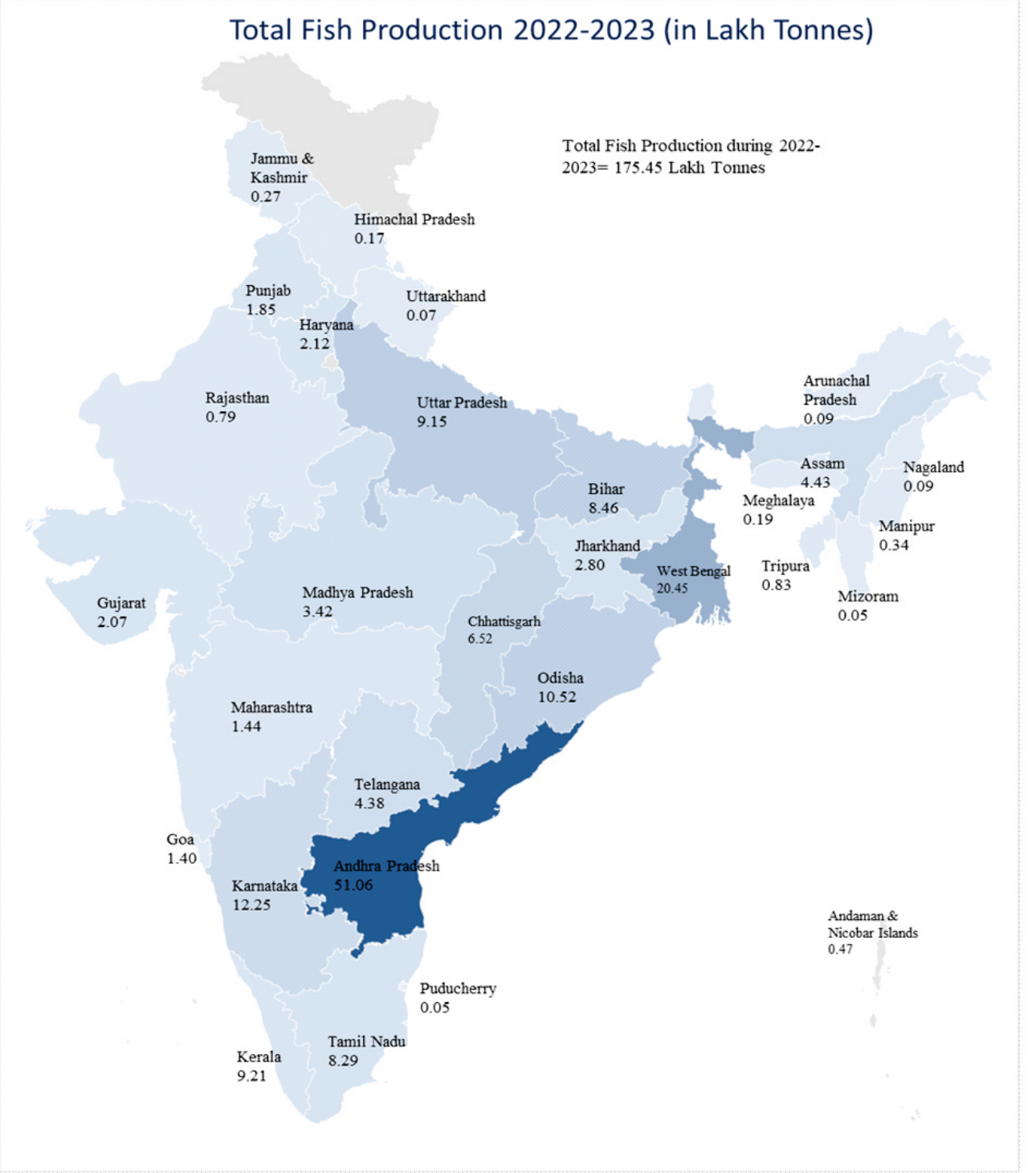


Figure 5: All India Production FY 2022-23 (in Lakh Tonnes)

Species-wise Inland Fish Landings (2021-22)

Table 1.3(a): Species-wise Inland Fish landings by Coastal States and Union Territories: 2021-22 (In Lakh Tonnes)

States/UTs	Major Carps (Catla, Rohu, Marigal)	Minor Carps	Exotic Carps	Murrels (Ophiocephalus spp.)	Catfishes (Wallago attu, pangasius)	Other freshwater fishes	Total
Andhra Pradesh	22.52	0.00	2.24	0.65	3.15	15.57	44.12
Arunachal Pradesh	0.03	0.00	0.02	0.00	0.00	0.00	0.05
Assam	1.89	0.50	0.31	0.35	0.34	0.77	4.17
Bihar	3.73	1.68	0.15	0.53	0.08	1.45	7.62
Chhattisgarh	4.74	0.06	0.56	0.02	0.47	0.06	5.91
Goa	0.00	0.00	0.00	0.00	0.00	0.05	0.05
Gujarat	0.46	0.01	0.00	0.04	0.04	1.30	1.85
Haryana	1.87	0.00	0.15	0.00	0.03	0.04	2.09
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Jharkhand	2.12	0.02	0.24	0.00	0.19	0.01	2.58
Karnataka	2.42	0.33	1.34	0.05	0.11	0.59	4.85
Kerala	0.19	0.00	0.02	0.00	0.05	0.32	0.59
Madhya Pradesh	2.25	0.39	0.42	0.00	0.09	0.02	3.17
Maharashtra	0.87	0.00	0.24	0.00	0.04	0.42	1.57
Manipur	0.10	0.01	0.20	0.00	0.00	0.02	0.33
Meghalaya	0.07	0.02	0.06	0.00	0.00	0.02	0.18
Mizoram	0.03	0.00	0.02	0.00	0.00	0.00	0.05
Nagaland	0.05	0.00	0.04	0.00	0.00	0.00	0.09
Odisha	4.68	0.47	0.97	0.06	0.11	0.21	6.50
Punjab	1.05	0.04	0.74	0.00	0.05	0.02	1.90
Rajasthan	0.45	0.12	0.05	0.00	0.02	0.00	0.65
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	0.70	0.09	0.26	0.00	1.07	0.00	2.12
Telangana	2.02	0.00	0.22	0.45	0.16	1.05	3.90
Tripura	0.47	0.07	0.27	0.00	0.00	0.01	0.82
Uttar Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uttarakhand	0.02	0.01	0.00	0.00	0.03	0.00	0.06
West Bengal	11.27	0.62	1.74	0.11	0.36	0.62	14.72
A and N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu, D & N haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.02	0.01	0.14	0.00	0.01	0.02	0.19
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Puducherry	0.03	0.00	0.01	0.00	0.00	0.00	0.04
Total	**64.03**	**4.47**	**10.42**	**2.28**	**6.40**	**22.59**	**110.19**

Source: Department of Fisheries, State Government/UT Administration

Species wise Inland Fish Landings (2022-23)

Table 1.3(b): Species-wise Inland Water Fish landings by Coastal States and Union Territories: 2022-23 (In Lakh Tonnes)

States/UTs	Major Carps (Catla, Rohu, Marigal)	Minor Carps	Exotic Carps	Murrels (Ophiocephalus spp.)	Catfishes (Wallago attu, pangasius)	Other freshwater fishes	Total
Andhra Pradesh	22.19	0.00	1.38	0.84	3.17	17.48	45.07
Arunachal Pradesh	0.04	0.00	0.03	0.00	0.00	0.00	0.08
Assam	2.16	0.00	0.60	0.32	0.31	0.71	4.09
Bihar	4.15	1.86	0.17	0.59	0.08	1.61	8.46
Chhattisgarh	5.23	0.06	0.62	0.02	0.52	0.07	6.52
Goa	0.00	0.00	0.00	0.00	0.01	0.06	0.06
Gujarat	0.45	0.02	0.00	0.05	0.03	1.40	1.94
Haryana	1.44	0.01	0.45	0.00	0.13	0.08	2.12
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Jharkhand	2.29	0.02	0.26	0.00	0.23	0.01	2.81
Karnataka	2.54	0.30	1.45	0.05	0.13	0.46	4.93
Kerala	0.09	0.00	0.01	0.00	0.04	0.42	0.56
Madhya Pradesh	2.63	0.18	0.49	0.00	0.10	0.02	3.42
Maharashtra	0.94	0.00	0.24	0.00	0.03	0.23	1.44
Manipur	0.10	0.01	0.21	0.00	0.00	0.02	0.34
Meghalaya	0.06	0.02	0.07	0.00	0.00	0.02	0.19
Mizoram	0.02	0.00	0.03	0.00	0.00	0.00	0.05
Nagaland	0.05	0.00	0.04	0.00	0.00	0.00	0.09
Odisha	4.93	0.49	1.05	0.05	0.18	0.18	6.89
Punjab	1.02	0.00	0.76	0.00	0.03	0.01	1.83
Rajasthan	0.54	0.15	0.06	0.00	0.02	0.00	0.78
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Tamil Nadu	0.83	0.01	0.35	0.00	0.08	1.05	2.32
Telangana	2.27	0.00	0.25	0.52	0.17	1.17	4.38
Tripura	0.48	0.08	0.27	0.00	0.00	0.01	0.83
Uttar Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uttarakhand	0.02	0.01	0.01	0.00	0.03	0.01	0.07
West Bengal	12.84	0.20	1.90	0.11	0.37	0.56	15.98
A and N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu, D & N haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.02	0.01	0.14	0.00	0.01	0.09	0.27
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Puducherry	0.02	0.00	0.00	0.00	0.00	0.00	0.03
Total	**67.36**	**3.45**	**10.85**	**2.57**	**5.69**	**25.69**	**115.61**

Source: Department of Fisheries, State Government/UT Administration

Species wise Marine/Brackish Water Fish Landings (2021-22)- East Coast

Table 1.4(a): Species-wise Marine/Brackish Water fish Landings by Coastal States and Union Territories: 2021-22

(In Lakh Tonnes) (East Coast)

Species	Andhra Pradesh	Odisha	Tamil Nadu	West Bengal	A and N Islands	Puducherry	Total
Sharks (Selachimorpha)	0.18	0.02	0.03	0.07	0.02	0.01	0.33
Skates/Guitarfish (Rajidae)	0.16	0.02	0.08	0.07	0.00	0.00	0.32
Rays (Batoidea)	0.10	0.02	0.00	0.05	0.00	0.00	0.17
Eels (Anguilliformes)	0.09	0.04	0.00	0.00	0.00	0.00	0.13
Catfishes (Siluriformes)	0.22	0.16	0.04	0.25	0.00	0.01	0.69
Indian Oil sardine (Sardinella longiceps)	0.29	0.06	0.35	0.04	0.00	0.03	0.77
Other sardines (Sardinella fimbriata and others)	0.17	0.07	0.00	0.00	0.05	0.01	0.30
Hilsa shad (Tenualosa ilisha)	0.08	0.05	0.02	0.07	0.00	0.00	0.21
Other shads (Alosinae)	0.04	0.06	0.04	0.00	0.00	0.00	0.14
Coilia (Coilia spp)	0.03	0.00	0.00	0.00	0.00	0.00	0.03
Setipinna (Setipinna spp)	0.03	0.00	0.00	0.00	0.00	0.00	0.03
Stolephorus (Stolephorus spp)	0.08	0.00	0.00	0.00	0.00	0.00	0.08
Thryssa (Thryssa spp)	0.06	0.02	0.08	0.00	0.00	0.01	0.16
Wolf herring (Chirocentrus spp.)	0.01	0.03	0.05	0.00	0.00	0.00	0.09
Other clupeids	0.41	0.13	0.36	0.15	0.00	0.01	1.06
Bombay Duck (Harpadon nehereus)	0.04	0.02	0.00	0.15	0.00	0.00	0.22
Lizard Fishes (Synodontidae)	0.03	0.00	0.00	0.00	0.00	0.00	0.03
Half Beaks&full Beaks (Hemiramphidae & Belonidae)	0.00	0.01	0.00	0.00	0.00	0.00	0.01
Flying Fishes (Exocoetidae)	0.00	0.00	0.05	0.00	0.00	0.00	0.06
Rock cods (Lotella rhacina)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Snappers (Lutjanidae)	0.02	0.00	0.00	0.04	0.05	0.00	0.12
Pig-face bream (Lethrinidae)	0.03	0.00	0.00	0.00	0.00	0.00	0.04
Threadfin bream (Nemipteridae)	0.09	0.03	0.00	0.00	0.00	0.02	0.14
Grouper (Epinephelinae)	0.09	0.00	0.00	0.00	0.00	0.00	0.09
Cobia (Rachycentron canadum)	0.03	0.00	0.00	0.00	0.00	0.00	0.04
Seabass (Lates calcarifer)	0.00	0.00	0.00	0.24	0.00	0.00	0.24
Other perches & perch like	0.00	0.05	0.15	0.00	0.00	0.01	0.22
Goatfishes (Mullidae)	0.10	0.00	0.00	0.00	0.00	0.00	0.11
Threadfins (Polynemidae)	0.09	0.04	0.05	0.00	0.00	0.00	0.18
Croakers (Sciaenidae)	0.09	0.14	0.10	0.14	0.01	0.01	0.48
Ribbon Fishes (Trachipteridae)	0.13	0.13	0.12	0.01	0.00	0.01	0.40
Horse Mackerel (Caranx & Trichiurus)	0.01	0.02	0.33	0.00	0.00	0.01	0.37
Scads (Decapterus spp.)	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Leather-jackets (Oligoplites saurus)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pompano (Trachinotus spp.)	0.00	0.00	0.01	0.00	0.00	0.00	0.01
Other carangids	0.03	0.07	0.06	0.00	0.00	0.03	0.19
Silverbellies (Gerridae)	0.02	0.02	0.28	0.00	0.03	0.02	0.37
Big-jawed Jumper (Lactarius lactarius)	0.00	0.00	0.06	0.00	0.00	0.00	0.06

Species	Andhra Pradesh	Odisha	Tamil Nadu	West Bengal	A and N Islands	Puducherry	Total
Black pomfret (Parastromatius niger)	0.29	0.04	0.00	0.15	0.00	0.01	0.50
Silver pomfret (Pampus argenteus)	0.16	0.03	0.00	0.18	0.00	0.00	0.37
Indian mackerel (Rastrelliger kanagurta)	0.21	0.11	0.25	0.13	0.03	0.03	0.76
Other mackerels	0.14	0.01	0.00	0.00	0.00	0.00	0.15
Scomberomorus spp.	0.03	0.06	0.00	0.00	0.00	0.01	0.10
Acanthocybium solandri	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kawa kawa (Euthynnus affinis)	0.02	0.01	0.43	0.00	0.00	0.00	0.46
Frigate tuna (Auxis spp)	0.01	0.00	0.08	0.00	0.00	0.00	0.09
Skipjack tuna (Katsuwonus pelamis)	0.05	0.00	0.00	0.00	0.00	0.00	0.05
Longtail tuna (Thunnus tonggol)	0.02	0.00	0.00	0.00	0.00	0.00	0.02
Yellowfin tuna (Thunnus albacares)	0.16	0.00	0.00	0.00	0.00	0.00	0.17
Other tunnies	0.03	0.00	0.00	0.00	0.02	0.01	0.07
Bill Fishes (Xiphiidae)	0.02	0.00	0.00	0.00	0.02	0.00	0.04
Barracudas (Sphyraena spp)	0.01	0.00	0.00	0.00	0.00	0.01	0.01
Mullets (Mugilidae)	0.14	0.11	0.10	0.24	0.01	0.00	0.62
Unicorn Cod (Bregmaceros mcclellandii)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halibut (Hippoglossus spp)	0.05	0.00	0.00	0.00	0.00	0.00	0.05
Flounders (Pleuronectidae)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soles (Soleidae)	0.00	0.03	0.03	0.00	0.00	0.01	0.07
Penaeid prawns (Penaeidae)	1.16	1.32	0.30	1.16	0.00	0.03	3.98
Non-penaeid prawns (Sergestidae)	0.19	0.07	0.05	0.39	0.00	0.00	0.70
Lobsters (Nephropidae)	0.00	0.00	0.01	0.00	0.00	0.00	0.01
Crabs (Brachyura)	0.04	0.07	0.31	0.00	0.01	0.01	0.45
Stomatopods (Stomatopoda)	0.00	0.02	0.00	0.00	0.00	0.00	0.02
Bivalves (Bivalvia)	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Gastropods (Gastropoda)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Squids (Loliginidae)	0.00	0.04	0.05	0.00	0.00	0.00	0.09
Cuttlefish (Sepiidae)	0.00	0.00	0.03	0.11	0.00	0.00	0.14
Octopus (Octopodidae)	0.00	0.00	0.01	0.00	0.00	0.00	0.02
Miscellaneous	0.43	0.26	2.04	0.05	0.19	0.02	2.99
Total	**5.95**	**3.40**	**5.95**	**3.70**	**0.47**	**0.34**	**19.82**

Source: Department of Fisheries, State Government/UT Administration

Species wise Marine/Brackish Water Fish Landings (2022-23)- East Coast

Table 1.4 (b): Species-wise Marine/Brackish Water fish Landings by Coastal States and Union Territories: 2022-23

(In Lakh Tonnes) (East Coast)

Species	Andhra Pradesh	Odisha	Tamil Nadu	West Bengal	A and N Islands	Puducherry	Total
Sharks (Selachimorpha)	0.15	0.01	0.03	0.04	0.03	0.01	0.27
Skates/Guitarfish (Rajidae)	0.15	0.02	0.07	0.04	0.00	0.00	0.28
Rays (Batoidea)	0.11	0.01	0.00	0.04	0.00	0.00	0.16
Eels (Anguilliformes)	0.07	0.05	0.01	0.00	0.00	0.00	0.13
Catfishes (Siluriformes)	0.23	0.17	0.04	0.25	0.00	0.02	0.71
Indian Oil sardine (Sardinella longiceps)	0.30	0.06	0.26	0.03	0.00	0.03	0.68
Other sardines (Sardinella fimbriata and others)	0.20	0.07	0.00	0.00	0.05	0.01	0.33
Hilsa shad (Tenualosa ilisha)	0.08	0.04	0.04	0.06	0.00	0.00	0.22
Other shads (Alosinae)	0.04	0.07	0.03	0.00	0.00	0.00	0.14
Coilia (Coilia spp)	0.04	0.00	0.00	0.00	0.00	0.00	0.04
Setipinna (Setipinna spp)	0.03	0.00	0.00	0.00	0.00	0.00	0.03
Stolephorus (Stolephorus spp)	0.09	0.00	0.00	0.00	0.00	0.00	0.09
Thryssa (Thryssa spp)	0.05	0.05	0.07	0.00	0.00	0.01	0.17
Wolf herring (Chirocentrus spp.)	0.02	0.00	0.00	0.00	0.00	0.00	0.02
Other clupeids	0.43	0.11	0.27	0.10	0.00	0.01	0.92
Bombay Duck (Harpadon nehereus)	0.05	0.03	0.00	0.16	0.00	0.00	0.23
Lizard Fishes (Synodontidae)	0.04	0.00	0.04	0.00	0.00	0.00	0.08
Half Beaks&full Beaks (Hemiramphidae & Belonidae)	0.00	0.01	0.05	0.00	0.00	0.00	0.06
Flying Fishes (Exocoetidae)	0.00	0.00	0.05	0.00	0.00	0.00	0.05
Rock cods (Lotella rhacina)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Snappers (Lutjanidae)	0.03	0.00	0.00	0.06	0.06	0.00	0.15
Pig-face bream (Lethrinidae)	0.04	0.00	0.00	0.00	0.00	0.00	0.04
Threadfin bream (Nemipteridae)	0.09	0.00	0.09	0.00	0.00	0.02	0.20
Grouper (Epinephelinae)	0.10	0.00	0.00	0.00	0.00	0.00	0.10
Cobia (Rachycentron canadum)	0.04	0.00	0.00	0.00	0.00	0.00	0.04
Seabass (Lates calcarifer)	0.00	0.00	0.00	0.10	0.00	0.00	0.10
Other perches & perch like	0.00	0.07	0.10	0.00	0.00	0.01	0.18
Goatfishes (Mullidae)	0.11	0.00	0.00	0.00	0.00	0.00	0.11
Threadfins (Polynemidae)	0.09	0.09	0.03	0.00	0.00	0.01	0.22
Croakers (Sciaenidae)	0.10	0.15	0.10	0.18	0.01	0.01	0.54
Ribbon Fishes (Trachipteridae)	0.16	0.15	0.15	0.00	0.00	0.02	0.48
Horse Mackerel (Caranx & Trichiurus)	0.01	0.00	0.27	0.00	0.00	0.01	0.30
Scads (Decapterus spp.)	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Leather-jackets (Oligoplites saurus)	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Pompano (Trachinotus spp.)	0.00	0.01	0.02	0.00	0.00	0.00	0.02
Other carangids	0.01	0.08	0.03	0.00	0.00	0.02	0.14
Silverbellies (Gerridae)	0.04	0.02	0.25	0.00	0.03	0.01	0.35
Big-jawed Jumper (Lactarius lactarius)	0.00	0.00	0.03	0.00	0.00	0.00	0.04

Species	Andhra Pradesh	Odisha	Tamil Nadu	West Bengal	A and N Islands	Puducherry	Total
Black pomfret (Parastromatius niger)	0.32	0.04	0.00	0.03	0.03	0.01	0.43
Silver pomfret (Pampus argenteus)	0.20	0.03	0.00	0.07	0.00	0.00	0.30
Indian mackerel (Rastrelliger kanagurta)	0.24	0.11	0.25	0.09	0.00	0.03	0.72
Other mackerels	0.15	0.01	0.00	0.00	0.00	0.00	0.16
Scomberomorus spp.	0.03	0.06	0.00	0.00	0.03	0.01	0.14
Acanthocybium solandri	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kawa kawa (Euthynnus affinis)	0.02	0.01	0.00	0.00	0.00	0.00	0.03
Frigate tuna (Auxis spp)	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Skipjack tuna (Katsuwonus pelamis)	0.03	0.00	0.00	0.00	0.00	0.00	0.03
Longtail tuna (Thunnus tonggol)	0.02	0.00	0.00	0.00	0.00	0.00	0.02
Yellowfin tuna (Thunnus albacares)	0.13	0.00	0.00	0.00	0.00	0.00	0.13
Other tunnies	0.02	0.00	0.36	0.00	0.02	0.02	0.43
Bill Fishes (Xiphiidae)	0.01	0.00	0.00	0.00	0.03	0.00	0.04
Barracudas (Sphyraena spp)	0.01	0.00	0.09	0.00	0.00	0.01	0.11
Mullets (Mugilidae)	0.15	0.12	0.13	0.58	0.00	0.01	0.99
Unicorn Cod (Bregmaceros mcclellandii)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halibut (Hippoglossus spp)	0.05	0.00	0.00	0.00	0.00	0.00	0.05
Flounders (Pleuronectidae)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soles (Soleidae)	0.00	0.03	0.03	0.00	0.00	0.01	0.07
Penaeid prawns (Penaeidae)	1.19	1.41	0.37	1.26	0.00	0.04	4.27
Non-penaeid prawns (Sergestidae)	0.13	0.05	0.08	0.40	0.00	0.00	0.67
Lobsters (Nephropidae)	0.00	0.00	0.02	0.00	0.00	0.00	0.02
Crabs (Brachyura)	0.05	0.05	0.40	0.00	0.01	0.01	0.53
Stomatopods (Stomatopoda)	0.00	0.03	0.00	0.00	0.00	0.00	0.03
Bivalves (Bivalvia)	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Gastropods (Gastropoda)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Squids (Loliginidae)	0.00	0.03	0.04	0.00	0.00	0.00	0.08
Cuttlefish (Sepiidae)	0.00	0.07	0.04	0.11	0.00	0.00	0.21
Octopus (Octopodidae)	0.00	0.00	0.02	0.00	0.00	0.00	0.02
Miscellaneous	0.34	0.30	2.09	0.67	0.15	0.02	3.57
Total	**6.00**	**3.62**	**5.97**	**4.27**	**0.47**	**0.39**	**20.71**

Source: Department of Fisheries, State Government/UT Administration

Species wise Marine/Brackish Water Fish Landings (2021-22)- West Coast

Table 1.5(a):Species-wise Marine/ Brackish fish Landings by Coastal States and Union Territories: 2021-22

(In Lakh Tonnes) (West Coast)

Species	Goa	Gujarat	Karnataka	Kerala	Maharashtra	Daman and Diu, D & Nagar Haveli	Lakshadweep	Total
Sharks (Selachimorpha)	0.00	0.16	0.01	0.02	0.05	0.00	0.00	0.24
Skates/Guitarfish (Rajidae)	0.00	0	0.00	0.00	0.00	0.00	0.00	0.01
Rays (Batoidea)	0.01	0	0.00	0.01	0.00	0.00	0.00	0.02
Eels (Anguilliformes)	0.00	0.09	0.01	0.01	0.02	0.00	0.00	0.13
Catfishes (Siluriformes)	0.00	0.25	0.03	0.00	0.06	0.01	0.00	0.35
Indian Oil sardine (Sardinella longiceps)	0.04	0.00	0.21	0.12	0.09	0.00	0.00	0.47
Other sardines (Sardinella fimbriata and others)	0.09	0.00	0.15	0.62	0.00	0.00	0.00	0.86
Hilsa shad (Tenualosa ilisha)	0.00	0.13	0.01	0.00	0.03	0.00	0.00	0.16
Other shads (Alosinae)	0.00	0.00	0.01	0.00	0.18	0.00	0.00	0.19
Coilia (Coilia spp)	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.13
Setipinna (Setipinna spp)	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02
Stolephorus (Stolephorus spp)	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.39
Thryssa (Thryssa spp)	0.00	0.00	0.03	0.06	0.03	0.00	0.00	0.11
Wolf herring (Chirocentrus spp.)	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.04
Other clupeids	0.00	0.12	0.11	0.07	0.00	0.00	0.00	0.30
Bombay Duck (Harpadon nehereus)	0.00	0.67	0.00	0.00	0.48	0.00	0.00	1.15
Lizard Fishes (Synodontidae)	0.00	0.00	0.14	0.20	0.02	0.00	0.00	0.36
Half Beaks & Full Beaks (Hemiramphidae & Belonidae)	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.03
Flying Fishes (Exocoetidae)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock cods (Lotella rhacina)	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.07
Snappers (Lutjanidae)	0.00	0.00	0.13	0.03	0.00	0.00	0.00	0.17
Pig-face bream (Lethrinidae)	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.02
Threadfin bream (Nemipteri-dae)	0.01	0.00	0.38	0.44	0.00	0.00	0.00	0.82
Grouper (Epinephelinae)	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.02
Cobia (Rachycentron canadum)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seabass (Lates calcarifer)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other perches & perch	0.00	0.09	0.00	0.18	0.00	0.00	0.00	0.27
Goatfishes (Mullidae)	0.00	0.00	0.00	0.01	0.07	0	0.00	0.08
Threadfins (Polynemidae)	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.08
Croakers (Sciaenidae)	0.03	0.53	0.11	0.08	0.03	0.01	0.00	0.78
Ribbon Fishe (Trachipteridae)	0.03	0.40	0.30	0.10	0.15	0.15	0.00	1.13
Horse Mackerel (Caranx & Trichiurus)	0.08	0.00	0.30	0.03	0.04	0.00	0.00	0.45

Species	Goa	Gujarat	Karnataka	Kerala	Maharashtra	Daman and Diu, D & Nagar Haveli	Lakshadweep	Total
Scads (Decapterus spp.)	0.00	0.00	0.36	0.55	0.00	0.01	0.00	0.92
Leather-jackets (Oligoplites saurus)	0.00	0.12	0.01	0.01	0.00	0.02	0.00	0.15
Pompano (Trachinotus spp.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other carangids	0.00	0.44	0.06	0.29	0.00	0.00	0.00	0.79
Silverbellies (Gerridae)	0.05	0.09	0.09	0.02	0.00	0.00	0.00	0.25
Big-jawed Jumper Lactarius lactarius)	0.01	0.00	0.08	0.01	0.01	0.00	0.00	0.11
Black pomfret (Parastromatius niger)	0.02	0.12	0.09	0.01	0.03	0.00	0.00	0.27
Silver pomfret (Pampus argenteus)	0.00	0.16	0.06	0.01	0.17	0.00	0.00	0.40
Indian mackerel (Rastrelliger kanagurta)	0.26	0.00	1.11	0.64	0.80	0.00	0.00	2.80
Other mackerels	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.16
Scomberomorus spp.	0.03	0.30	0.00	0.06	0.11	0.00	0.00	0.50
Acanthocybium solandri	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Kawa kawa (Euthynnus affinis)	0.00	0.00	0.16	0.07	0.15	0.00	0.01	0.40
Frigate tuna (Auxis spp)	0.15	0.00	0.00	0.03	0.00	0.00	0.00	0.19
Skipjack tuna (Katsuwonus pelamis)	0.00	0.00	0.00	0.07	0.00	0.00	0.05	0.12
Longtail tuna (Thunnus tonggol)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin tuna (Thunnus albacares)	0.00	0.33	0.00	0.00	0.00	0.00	0.03	0.36
Other tunnies	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.06
Bill Fishes (Xiphiidae)	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.06
Barracudas (Sphyraena spp)	0.00	0.00	0.06	0.07	0.01	0.00	0.00	0.15
Mullets (Mugilidae)	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.06
Unicorn Cod (Bregmaceros mcclellandii)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halibut (Hippoglossus spp)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Flounders (Pleuronectoidei)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soles (Soleidae)	0.02	0.11	0.04	0.12	0.03	0.00	0.00	0.32
Penaeid prawns (Penaeidae)	0.05	0.17	0.21	0.55	0.56	0.00	0.00	1.54
Non-penaeid prawns (Sergestidae)	0.00	0.33	0.00	0.03	0.40	0.00	0.00	0.76
Lobsters (Nephropidae)	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.07
Crabs (Brachyura)	0.02	0.11	0.04	0.06	0.02	0.00	0.00	0.25
Stomatopods (Stomatopoda)	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.28
Bivalves (Bivalvia)	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.21
Gastropods (Gastropoda)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Squids (Loliginidae)	0.00	0.00	0.24	0.23	0.00	0.04	0.00	0.51
Cuttlefish (Sepiidae)	0.03	0.32	0.11	0.13	0.00	0.00	0.00	0.59
Octopus (Octopodidae)	0.00	0.00	0.02	0.07	0.00	0.00	0.00	0.09
Miscellaneous	0.17	1.56	0.72	0.38	0.53	0.01	0.01	3.38
Total	**1.11**	**6.88**	**5.89**	**6.01**	**4.33**	**0.29**	**0.11**	**24.61**

Source: Department of Fisheries, State Government/UT Administration

Species wise Marine/Brackish Water Fish Landings (2022-23)- West Coast

Table 1.5(b): Species-wise Marine/ Brackish fish Landings by Coastal States and Union Territories: 2022-23

(In Lakh Tonnes) (West Coast)

Species	Goa	Gujarat	Karnataka	Kerala	Maharashtra	Daman and Diu, D & Nagar Haveli	Lakshadweep	Total
Sharks (Selachimorpha)	0.00	0.1747	0.02	0.03	0.08	0.00	0.00	0.30
Skates/Guitarfish (Rajidae)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rays (Batoidea)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02
Eels (Anguilliformes)	0.00	0.0915	0.01	0.01	0.02	0.00	0.00	0.14
Catfishes (Siluriformes)	0.00	0.2927	0.03	0.00	0.09	0.01	0.00	0.42
Indian Oil sardine (Sardinella longiceps)	0.20	0.00	0.46	1.37	0.11	0.00	0.00	2.13
Other sardines (Sardinella fimbriata and others)	0.04	0.00	0.11	0.16	0.00	0.00	0.00	0.31
Hilsa shad (Tenualosa ilisha)	0.00	0.1415	0.01	0.00	0.06	0.00	0.00	0.21
Other shads (Alosinae)	0.00	0.00	0.01	0.01	0.18	0.00	0.00	0.19
Coilia (Coilia spp)	0.00	0.1504	0.00	0.00	0.00	0.01	0.00	0.16
Setipinna (Setipinna spp)	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02
Stolephorus (Stolephorus spp)	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45
Thryssa (Thryssa spp)	0.00	0.00	0.04	0.03	0.05	0.00	0.00	0.12
Wolf herring (Chirocentrus spp.)	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.05
Other clupeids	0.00	0.1413	0.11	0.03	0.02	0.00	0.00	0.29
Bombay Duck (Harpadon nehereus)	0.00	0.6347	0.00	0.00	0.22	0.00	0.00	0.86
Lizard Fishes (Synodontidae)	0.00	0.00	0.18	0.12	0.02	0.00	0.00	0.32
Half Beaks & full Beaks (Hemiramphidae & Belonidae)	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.03
Flying Fishes (Exocoetidae)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock cods (Lotella rhacina)	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.07
Snappers (Lutjanidae)	0.02	0.00	0.11	0.03	0.00	0.00	0.00	0.17
Pig-face bream (Lethrinidae)	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.03
Threadfin bream (Nemipteri- dae)	0.00	0.00	0.43	0.44	0.00	0.00	0.00	0.87
Grouper (Epinephelinae)	0.00	0.00	0.00	0.00	0.0037	0.01	0.0008	0.02
Cobia (Rachycentron canadum)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seabass (Lates calcarifer)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other perches & perch	0.00	0.1015	0.00	0.15	0.00	0.00	0.00	0.25
Goatfishes (Mullidae)	0.02	0.00	0.00	0.01	0.09	0.00	0.00	0.12
Threadfins (Polynemidae)	0.03	0.0699	0.00	0.00	0.02	0.00	0.00	0.12
Croakers (Sciaenidae)	0.06	0.5543	0.12	0.04	0.02	0.01	0.00	0.80
Ribbon Fish (Trachipteridae)	0.00	0.3999	0.36	0.28	0.22	0.21	0.00	1.45
Horse Mackerel (Caranx & Trichiurus)	0.00	0.00	0.16	0.04	0.13	0.00	0.00	0.33

Species	Goa	Gujarat	Karnataka	Kerala	Maharashtra	Daman and Diu, D & Nagar Haveli	Lakshadweep	Total
Scads (Decapterus spp.)	0.00	0.00	0.38	0.39	0.00	0.0006	0.00	0.77
Leather-jackets (Oligoplites saurus)	0.00	0.113	0.01	0.01	0.00	0.0049	0.00	0.14
Pompano (Trachinotus spp.)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Other carangids	0.01	0.3862	0.07	0.20	0.00	0.00	0.00	0.66
Silverbellies (Gerridae)	0.00	0.1033	0.10	0.02	0.00	0.00	0.00	0.23
Big-jawed Jumper Lactarius lactarius)	0.00	0.00	0.09	0.01	0.02	0.00	0.00	0.12
Black pomfret (Parastromatius niger)	0.56	0.1313	0.07	0.01	0.05	0.01	0.00	0.82
Silver pomfret (Pampus argenteus)	0.00	0.1742	0.06	0.01	0.18	0.00	0.00	0.42
Indian mackerel (Rastrelliger kanagurta)	0.02	0.00	1.53	1.02	0.66	0.00	0.00	3.22
Other mackerels	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.17
Scomberomorus spp.	0.11	0.29	0.00	0.07	0.1182	0.00	0.00	0.59
Acanthocybium solandri	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Kawa kawa (Euthynnus affinis)	0.00	0.00	0.19	0.13	0.12	0.00	0.01	0.44
Frigate tuna (Auxis spp)	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.07
Skipjack tuna (Katsuwonus pelamis)	0.00	0.00	0.00	0.09	0.00	0.00	0.05	0.14
Longtail tuna (Thunnus tonggol)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yellowfin tuna (Thunnus albacares)	0.00	0.3221	0.00	0.00	0.00	0.00	0.03	0.35
Other tunnies	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.10
Bill Fishes (Xiphiidae)	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.06
Barracudas (Sphyraena spp)	0.00	0.00	0.07	0.08	0.02	0.00	0.00	0.17
Mullets (Mugilidae)	0.00	0.0631	0.00	0.00	0.00	0.00	0.00	0.07
Unicorn Cod (Bregmaceros mcclellandii)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Halibut (Hippoglossus spp)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
Flounders (Pleuronectidae)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Soles (Soleidae)	0.01	0.1265	0.07	0.10	0.04	0.00	0.00	0.35
Penaeid prawns (Penaeidae)	0.07	0.2064	0.25	0.32	0.69	0.00	0.00	1.53
Non-penaeid prawns (Sergestidae)	0.00	0.3415	0.00	0.07	0.44	0.00	0.00	0.85
Lobsters (Nephropidae)	0.00	0.0709	0.00	0.00	0.01	0.00	0.00	0.08
Crabs (Brachyura)	0.01	0.132	0.07	0.06	0.04	0.00	0.00	0.31
Stomatopods (Stomatopoda)	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.35
Bivalves (Bivalvia)	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.13
Gastropods (Gastropoda)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Squids (Decappdiformes)	0.00	0.00	0.24	0.23	0.00	0.02	0.00	0.49
Cuttlefish (Sepiidae)	0.02	0.2907	0.13	0.16	0.00	0.00	0.00	0.60
Octopus (Octopodidae)	0.00	0.00	0.02	0.07	0.00	0.00	0.00	0.10
Miscellaneous	0.13	1.5265	1.21	0.33	0.58	0.00	0.01	3.78
Total	**1.34**	**7.03**	**7.30**	**6.89**	**4.46**	**0.29**	**0.11**	**27.43**

Source: Department of Fisheries, State Government/UT Administration

Preserved and Processed Commodities: 2021-22

Table 1.6(a): Preserved and Processed Commodities by States/Union Territories: 2021-22 (In Lakh Tonnes)

State/UTs	Tuna Frozen	Marine Fish Frozen	Fish Dried, Unsalted	Fish Dried & Salted or smoked	Shark fins, Dried, Salted etc	Frozen Whole cooked Lobster	Shrimp & Prawn Frozen	Dried Prawn/ Shrimp	Frozen Cuttle fish fillets	Fish meals soluble	Frozen Squids	Dried Squids	Yellow- fin tuna, frozen	Mackerels, frozen	Fish, salted & dried	Lobsters, Whole, frozen	Jellyfish, dried, salted or in brine	Miscella -neous	Overall Total
Andhra Pradesh	0.02	0.06	0.00	0.00	0.00	0.00	2.98	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.17	3.25
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gujarat	0.00	1.30	2.16	1.33	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	5.40
Haryana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Karnataka	0.04	0.51	0.12	0.73	0.00	0.00	0.07	0.01	0.00	0.00	0.06	0.00	0.00	0.11	0.02	0.00	0.00	0.19	1.85
Kerala	0.00	0.76	0.16	0.65	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.83	8.25
Madhya Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maharashtra (NA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Odisha	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	0.08	0.47	0.00	0.00	0.00	0.00	0.83	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.38	0.00	0.00	0.59	2.44
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Uttar Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

State/UTs	Tuna Frozen	Marine Fish Frozen	Fish Dried, Unsalted	Fish Dried & Salted or smoked	Shark fins, Dried, Salted etc	Frozen Whole cooked Lobster	Shrimp & Prawn Frozen	Dried Prawn/ Shrimp	Frozen Cuttle fish fillets	Fish meals soluble	Frozen Squids	Dried Squids	Yellow- fin tuna, frozen	Mackerels, frozen	Fish, salted & dried	Lobsters, Whole, frozen	Jellyfish, dried, salted or in brine	Miscella -neous	Overall Total
West Bengal	0.00	0.00	0.07	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	1.52
A and N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu, D & Nagar Haveli	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Puducherry	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.08
Total	**0.15**	**3.18**	**2.53**	**2.79**	**0.00**	**0.00**	**5.64**	**0.01**	**0.13**	**0.00**	**0.10**	**0.00**	**0.01**	**0.11**	**0.41**	**0.00**	**0.00**	**8.68**	**23.76**

Source: Department of Fisheries, State Government/UT Administration

Preserved and Processed Commodities: 2022-23

Table 1.6(b): Preserved and Processed Commodities by States/Union Territories: 2022-23 (In Lakh Tonnes)

State/UTs	Tuna Frozen	Marine Fish Frozen	Fish Dried, Unsalted	Fish Dried & Salted or smoked	Shark fins, Dried, Salted etc	Frozen Whole cooked Lobster	Shrimp & Prawn Frozen	Dried Prawn/ Shrimp	Frozen Cuttle fish fillets	Fish meals soluble	Frozen Squids	Dried Squids	Yellow- fin tuna, frozen	Mackerels, frozen	Fish, salted & dried	Lobsters, Whole, frozen	jellyfish, dried, salted or in brine	Miscella -neous	Overall Total
Andhra Pradesh	0.02	0.07	0.00	0.00	0.00	0.00	2.99	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.17	3.28
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gujarat	0.00	1.32	2.21	1.36	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	5.52
Haryana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

State/UTs	Tuna Frozen	Marine Fish Frozen	Fish Dried, Unsalted	Fish Dried & Salted or smoked	Shark fins, Dried, Salted etc	Frozen Whole cooked Lobster	Shrimp & Prawn Frozen	Dried Prawn/ Shrimp	Frozen Cuttle fish fillets	Fish meals soluble	Frozen Squids	Dried Squids	Yellow- fin tuna, frozen	Mackerels, frozen	Fish, salted & dried	Lobsters, Whole, frozen	jellyfish, dried, salted or in brine	Miscella -neous	Overall Total
Karnataka	0.05	0.76	0.12	0.83	0.00	0.00	0.06	0.01	0.01	0.00	0.12	0.00	0.00	0.41	0.02	0.00	0.00	1.34	3.73
Kerala	0.00	0.91	0.19	0.85	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.58	9.19
Madhya Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maharashtra (NA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Odisha	0.00	0.01	0.00	0.00	0.00	0.00	0.84	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	0.08	0.49	0.00	0.00	0.00	0.00	0.85	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.39	0.00	0.00	0.60	2.51
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Uttar Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.08	0.06	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	1.74
A and N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu, D & Nagar Haveli	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Puducherry	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08
Total	**0.16**	**3.65**	**2.62**	**3.14**	**0.00**	**0.00**	**5.48**	**0.01**	**0.15**	**0.00**	**0.16**	**0.00**	**0.01**	**0.42**	**0.41**	**0.00**	**0.00**	**10.81**	**27.02**

Source: Department of Fisheries, State Government/UT Administration

Year-wise Fish Seed Production in India

Table 1.7: Year-wise Fish Seed Production in India

S. No	Year	Production (Lakhs fry)
1	1985-86	63,220
2	1986-87	76,010
3	1987-88	86,080
4	1988-89	93,250
5	1989-90	96,910
6	1990-91	103,320
7	1991-92	122,030
8	1992-93	125,000
9	1993-94	142,390
10	1994-95	145,440
11	1995-96	150,070
12	1996-97	158,520
13	1997-98	159,040
14	1998-99	151,560
15	1999-00	165,890
16	2000-01	156,080
17	2001-02	157,580
18	2002-03	163,330
19	2003-04	192,310
20	2004-05	207,910
21	2005-06	219,880
22	2006-07	236,480
23	2007-08	241,440
24	2008-09	321,770
25	2009-10	293,130
26	2010-11	341,095
27	2011-12	365,651
28	2012-13	349,202
29	2013-14	414,484
30	2014-15	393,487
31	2015-16	354,350
32	2016-17	357,439
33	2017-18	444,207
34	2018-19	481,974
35	2019-20	521865.5
36	2020-21	540689.82
37	2021-22	2913840.20
38	2022-23	3589845.82

Source: Department of Fisheries, State Government/UT Administration

State-wise Fish Seed Production

Table 1.8: State-wise Fish Seed Production in India (In lakhs Fry)

State/Union Territory	2016-17	2017-18	2018-19	2019-20	2020-21	2021-2022	2022-2023	Total
Andhra Pradesh	7923	8845	8842	5358	38126	7800	6600	83494
Arunachal Pradesh	65	70	0.00	0.00	80	0.00	0.00	215
Assam	67580	80000	98930	95190	98860	182160	2084300	2707020
Bihar	7932.2	9206	9286.5	13727.18	17069.4	19614	26696.2	103531.48
Chhattisgarh	19750.4	22186	25131.8	27386.8	28805.3	301357	34465.4	459082.7
Goa	6	7	6	3	2.5	2.5	3	30
Gujarat	5529.3	1852.3	6340.5	26083.7	9585	771.95	651.32	50814.07
Haryana	7046	4776.8	4229.6	4538.06	7784.6	1927	2272	32574.06
Himachal Pradesh	625	47	18.3	6.8	15.6	174.73	166.3	1053.73
Jharkhand	41501	103349.1	103629	105692.4	114950	1116700	944340	2530161.5
Karnataka	4998.8	2481.1	6298	5816.5	7545.6	6693.5	7078.8	40912.3
Kerala	1770.9	1730.4	944.42	1282	1342	1293.1	765.50	9128.32
Madhya Pradesh	11113	11172.3	13729.83	14592.09	14837.5	17188	21006.52	103639.24
Maharashtra	1895.5	6250	2810.87	13662.7	1964.04	6477	5593.7	38653.81
Manipur	2150	2500	4060.8	2494.8	2788	2943	2872	19808.6
Meghalaya	75.6	97	65.23	162.38	137.9	194.419	219.978	952.507
Mizoram	310	426	406.6	400	200	2500	3500	7742.6
Nagaland	480	481	760	795	798	0.00	635	3949
Odisha	7782.8	8077.4	8962.4	9471.61	11943	15100	27863	89200.21
Punjab	2375	2779.8	2977.4	2642.35	2562.57	12937	12640.7	38914.82
Rajasthan	10988.6	10653	10329.3	12264.1	10870.9	11814	11977.4	78897.3
Sikkim	23.2	6.5	16.25	16.25	14.05	0.00	0.00	76.25
Tamil Nadu	5732	5572.8	13008.7	19426.88	6032	6568	6798	63138.38
Telangana	1876	4179	6500	5500	6720	600000	0.00	624775
Tripura	3137	4350	0.00	0.00	0.00	0.00	0.00	7487
Uttarakhand	746.5	678.8	655.6	289.6	299.85	540	1336.04	4546.39
Uttar Pradesh	27535.6	27128.7	29342.1	30287.8	32331.2	327108.2	34677.16	508410.76
West Bengal	115700	124550	124550	124550	124550	271500	352900	1238300
A & N Islands	12.8	14.7	0.00	0.00	17	18	23	85.5
Chandigarh	8	8	0.8	0.8	0.8	0.00	0.00	18.4
Daman and Diu and Dadra &Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	20	2	15	0.00	0.00	0.00	37
Jammu & Kashmir	770	712	205.6	209.7	457	458	464	3276.3
Ladakh	0.00	0.00	0.00	0.00	0.01	0.8	0.8	1.61
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All India	**357439.2**	**444207.7**	**482039.6**	**521865.5**	**540689.82**	**2913840.2**	**3589845.82**	**8849927.84**

Source: Department of Fisheries, State Government/UT Administration

Chapter

2

Disposition of Fish



Disposition of Fish

Total disposition of fist catch in India has increased to 171.13 Lakh Tonnes in 2022-23 from 159.91 Lakh Tonnes in 2021-2022.

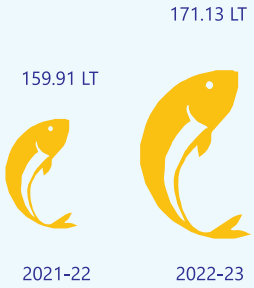


Figure 6: Disposition of Fish Catch

Year-wise Disposition of Fish Catch

Table 2.1: Year-wise Disposition of Fish Catch (In Lakh Tonnes)

Year	Marketing Fresh	Frozen	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
1991-92	27.06	2.65	6.13	0.3	3.33	0.47	0.47	0.00	0.00	40.41
1992-93	27.98	2.84	5.9	0.25	3.55	0.7	0.47	0.00	0.00	41.69
1993-94	31.05	3.09	6.44	0.09	3.72	0.16	0.87	0.00	0.00	45.42
1994-95	32.5	3.1	6.51	0.12	3.97	0.39	0.74	0.00	0.00	47.33
1995-96	34.27	3.2	6.32	0.13	3.58	0.38	0.4	0.00	0.00	48.28
1996-97	37.84	3.92	6.39	0.11	3.13	0.22	0.39	0.00	0.00	52
1997-98	38.74	4.21	6.02	0.14	3.45	0.18	1.02	0.00	0.00	53.76
1998-99	38.66	3.9	5.68	0.12	3.03	0.19	0.83	0.00	0.00	52.41
1999-00	42.06	2.84	4.21	0.17	2.96	0.53	0.09	0.7	0.29	53.85
2000-01	42.87	2.76	3.39	0.5	3.17	0.01	0.34	0.69	2.36	56.09
2001-02	47.77	2.64	3.46	0.53	3.08	0.16	0.43	0.72	0.47	59.26
2002-03	47.89	3.32	3.88	0.23	2.65	0.42	0.01	0.16	0.16	58.72
2003-02	48.28	3.07	3.63	0.36	2.77	0.4	0.01	0.12	0.16	58.8
2004-05	52.83	3.85	3.3	0.45	2.69	0.01	0.4	0.16	0.17	63.86
2005-04	54.68	3.9	3.3	0.24	2.84	0.34	0.01	0.17	0.26	65.74
2006-07	55.59	3.96	3.44	0.24	2.95	0.36	0.01	0.14	0.15	66.84
2007-08	60.37	4.24	3.67	0.25	3.34	0.14	0.01	0.16	0.15	72.33
2008-09	58.04	3.78	3.35	0.31	3.13	0.45	0.01	0.17	0.15	69.39
2009-10	59.55	4.35	3.47	0.33	2.91	0.61	0.00	0.19	0.47	71.88
2010-11	61.18	7.33	4.11	0.47	2.83	0.74	0.01	1.37	1.83	79.87
2011-12	53.64	7.61	4.72	0.39	2.98	0.00	73	0.63	1.71	144.68
2012-13	58.11	9.48	3.32	0.42	3.01	0.00	1.51	0.71	1.68	78.24
2013-14	40.25	3.98	2.52	0.44	3.24	0.00	0.76	0.2	2	53.39
2014-15	46.17	4.59	2.45	0.43	3.33	0.00	0.9	0.21	2.18	60.26
2015-16	49.34	4.62	2.58	0.52	3.21	0.00	1.06	0.22	0.2	61.75
2016-17	56.12	4.61	2.67	0.5	3.25	0.00	1.2	0.29	2.4	71.04
2017-18	64.94	7.03	2.9	0.36	3.33	0.00	1.89	0.38	2.39	83.22
2018-19	74.23	9.36	6.38	1.02	3.28	2.28	0.00	0.05	1.43	98.03
2019-20	91.43	16.81	5.2	0.36	3.38	3.04	0.08	0.05	1.44	121.79
2020-21	105.64	18.49	3.92	0.45	3.08	3.27	0.10	0.01	2.12	137.07
2021-22	124.84	19.68	4.73	0.29	3.52	3.91	0.11	0.01	2.83	159.91
2022-23	134.19	20.46	5.15	0.32	3.69	4.20	0.11	0.01	3.00	171.13

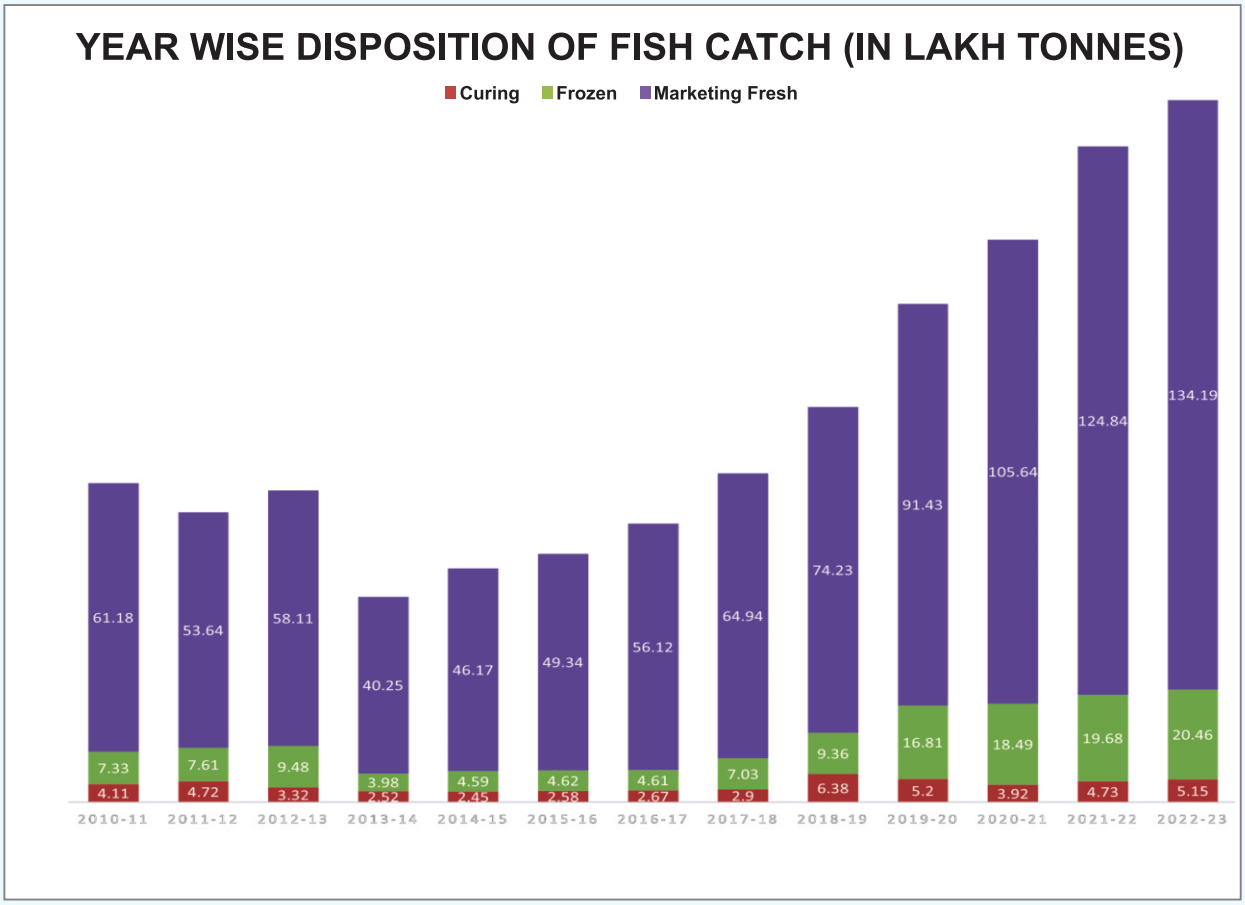


Figure 7: Year-wise disposition of Fish Catch

Disposition of Fish Catch (2021-22)

The top six States/UTs in disposition of first catch during 2021-22 are Andhra Pradesh, Gujarat, Karnataka, Kerela, Odisha and West Bengal.

Table 2.2(a): Disposition of Fish Catch,2021-22 (Quantity in Lakh Tonnes)

Year	Marketing Fresh	Frozen	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
Andhra Pradesh	33.84	12.40	1.06	0.16	0.26	2.24	0.11	0.00	0.00	50.07
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	3.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	3.79
Bihar	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	7.62
Chhattisgarh	5.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.91
Goa	0.89	0.00	0.06	0.13	0.00	0.03	0.00	0.00	0.00	1.11
Gujarat	2.72	1.75	1.74	0.00	2.52	0.00	0.00	0.00	0.00	8.74
Haryana	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09
Himachal Pradesh	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
Jharkhand	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.57
Karnataka	7.77	1.27	0.69	0.00	0.12	0.89	0.00	0.00	0.00	10.74
Kerala	5.94	1.64	0.00	0.00	0.00	0.69	0.00	0.00	0.00	8.26
Madhya Pradesh	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.93
Maharashtra	3.78	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.52	4.33
Manipur	0.28	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.33
Meghalaya	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
Mizoram	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odisha	8.41	0.96	0.52	0.00	0.00	0.00	0.00	0.00	0.00	9.90
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.66
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	5.63	1.15	0.54	0.00	0.00	0.00	0.00	0.00	0.75	8.07
Telangana	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	3.89
Tripura	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82
Uttar Pradesh	8.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	8.09
Uttarakhand	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
West Bengal	17.37	0.41	0.00	0.00	0.59	0.06	0.00	0.00	0.00	18.43
A and N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu, Da- dar & Nagar Haveli	0.27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
Delhi	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Jammu & Kashmir	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.05	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Nagaland	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Puducherry	0.31	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.39
Total	**124.84**	**19.68**	**4.73**	**0.29**	**3.52**	**3.91**	**0.11**	**0.01**	**2.83**	**159.91**

Source: Department of Fisheries, State Government/UT Administration

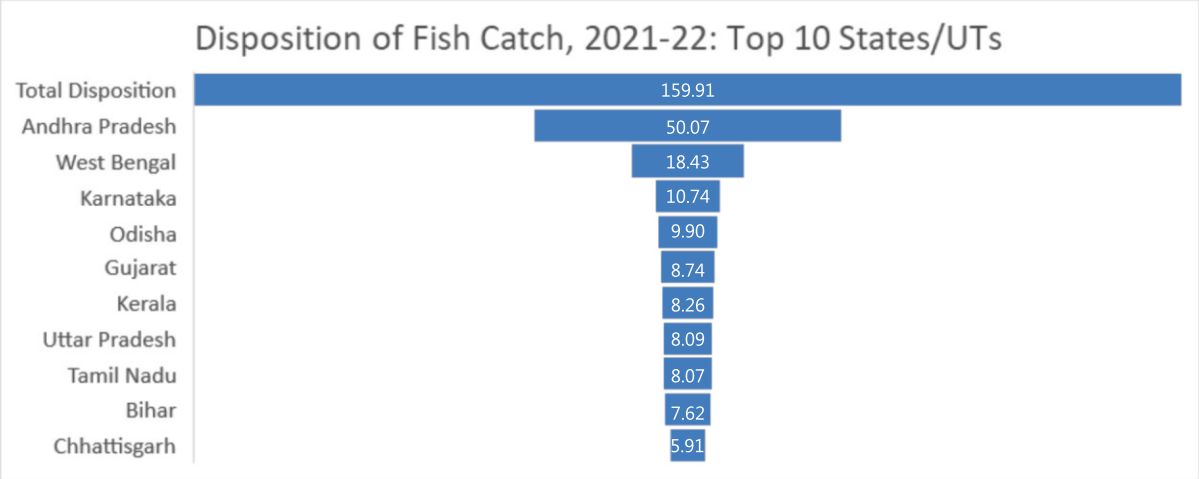


Figure 8: Disposition of Fish Catch, 2021-22: Top 10 States/UTs (In Lakh Tonnes)

Disposition of Fish Catch (2022-23)

The top six States / UTs in disposition of fish catch during 2022-23 are Andhra Pradesh, West Bengal, Karnataka, Odisha, Kerela and Uttar Pradesh.

Table 2.2(b): Disposition of Fish Catch,2022-23 (Quantity in Lakh Tonnes)

Year	Marketing Fresh	Frozen	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
Andhra Pradesh	34.51	12.65	1.08	0.16	0.27	2.28	0.11	0.00	0.00	51.06
Arunachal Pradesh	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Assam	4.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	4.05
Bihar	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	8.46
Chhattisgarh	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52
Goa	1.07	0.00	0.07	0.16	0.00	0.03	0.00	0.00	0.00	1.34
Gujarat	2.80	1.80	1.79	0.00	2.59	0.00	0.00	0.00	0.00	8.97
Haryana	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12
Himachal Pradesh	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
Jharkhand	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80
Karnataka	8.57	1.57	0.86	0.00	0.15	1.01	0.00	0.00	0.00	12.16
Kerala	6.80	1.60	0.00	0.00	0.00	0.80	0.00	0.00	0.00	9.21
Madhya Pradesh	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42
Maharashtra	3.84	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.58	4.46
Manipur	0.29	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.34
Meghalaya	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
Mizoram	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Nagaland	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Odisha	8.86	1.02	0.63	0.00	0.00	0.00	0.00	0.00	0.00	10.52
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Year	Marketing Fresh	Frozen	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
Rajasthan	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.79
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	5.78	1.23	0.60	0.00	0.00	0.00	0.00	0.00	0.67	8.29
Telangana	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	4.38
Tripura	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83
Uttar Pradesh	9.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	9.15
Uttarakhand	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
West Bengal	19.27	0.46	0.00	0.00	0.65	0.07	0.00	0.00	0.00	20.45
A and N Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu, D & Nagar Haveli	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.05	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Nagaland	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Puducherry	0.36	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.45
Total	**134.19**	**20.46**	**5.15**	**0.32**	**3.69**	**4.20**	**0.11**	**0.01**	**3.00**	**171.13**

Source: Department of Fisheries, State Government/UT Administration

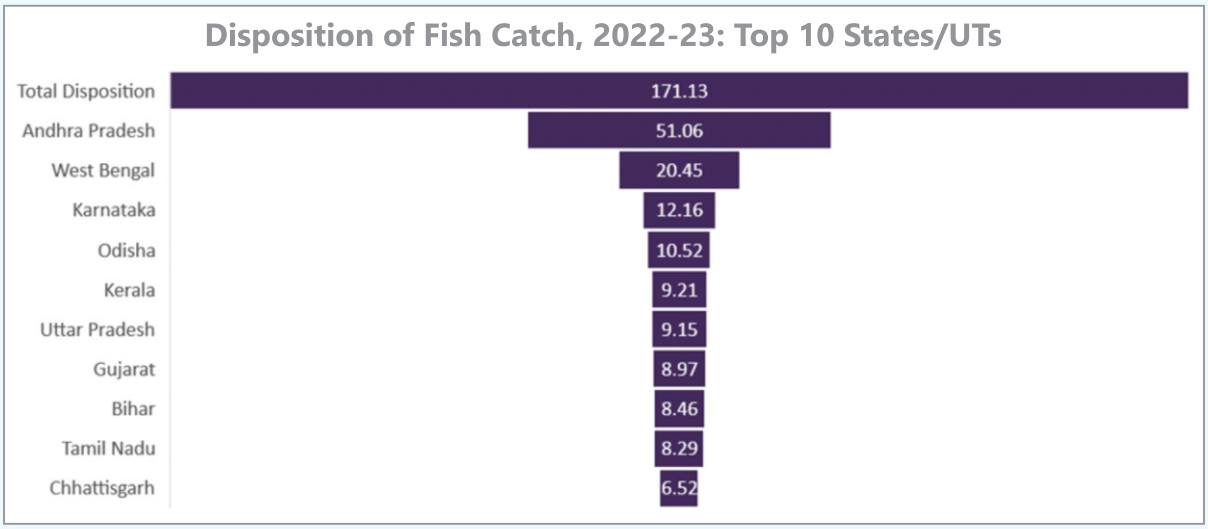


Figure 9:Disposition of Fish Catch, 2022-23: Top 10 State/UTs (In Lakh Tonnes)



Chapter

3

Consumption of Fish in India



Fish Consumption in India

State- wise Per Capita Fish Consumption (2021-22)

The top three major fish-consuming States/UTs for 2021-22 are Andaman & Nicobar Islands, Lakshadweep, and Tripura.

Table 3.1: State- wise Per Capita Fish Consumption - 2021-22

S.No.	States/UTs	Yearly Fish Consumption (Per capita/kg)
1	Andhra Pradesh	9.58
2	Arunachal Pradesh	2.96
3	Assam	12.18
4	Bihar	6.08
5	Chhattisgarh	19.70
6	Goa	0.00
7	Gujarat	0.00
8	Haryana	0.30
9	Himachal Pradesh	13.00
10	Jharkhand	11.43
11	Karnataka	20.59
12	Kerala	19.50
13	Madhya Pradesh	5.72
14	Maharashtra	2.96
15	Manipur	18.25
16	Meghalaya	10.30
17	Mizoram	4.09
18	Nagaland	6.06
19	Odisha	17.15
20	Punjab	0.00
21	Rajasthan	0.86
22	Sikkim	1.16
23	Tamil Nadu	10.66
24	Telangana	7.85
25	Tripura	27.29
26	Uttarakhand	1.22
27	Uttar Pradesh	11.82
28	West Bengal	14.76
29	A & N Islands	105.00
30	Chandigarh	0.00
31	Daman and Diu and Dadra &Nagar Haveli	10.80
32	Delhi	0.03
33	Jammu & Kashmir	6.00
34	Ladakh	0.15
35	Lakshadweep	87.00
36	Puducherry	13.65
All India		478.10

Source : Department of Fisheries, State Government\UT Administration

State- wise Per Capita Fish Consumption (2022-23)

The top three major fish consuming States/UT s for 2022-23 are A & N Islands, Lakshadweep, and Tripura.

Table 3.2: State-wise Per Capita Fish Consumption - 2022-23

S.N.	States/UTs	Yearly Fish Consumption (Per capita/kg)
1	Andhra Pradesh	9.93
2	Arunachal Pradesh	5.03
3	Assam	13.06
4	Bihar	6.64
5	Chhattisgarh	17.5
6	Goa	0
7	Gujarat	0.00
8	Haryana	0.3
9	Himachal Pradesh	14
10	Jharkhand	12.12
11	Karnataka	20.72
12	Kerala	20.65
13	Madhya Pradesh	6.57
14	Maharashtra	2.47
15	Manipur	18.25
16	Meghalaya	10.74
17	Mizoram	4.43
18	Nagaland	6.13
19	Odisha	17.73
20	Punjab	0
21	Rajasthan	0.9
22	Sikkim	1.72
23	Tamil Nadu	10.83
24	Telangana	8.79
25	Tripura	27.62
26	Uttarakhand	1.35
27	Uttar Pradesh	12.59
28	West Bengal	15.11
29	A & N Islands	114
30	Chandigarh	0
31	Daman and Diu and Dadra &Nagar Haveli	11.15
32	Delhi	0.21
33	Jammu & Kashmir	6
34	Ladakh	0.19
35	Lakshadweep	89
36	Puducherry	15.95
All India		**501.68**

Source : Department of Fisheries, State Government\UT Administration

Chapter

4

Fisheries Economy



Fisheries Economy

The contribution of Fisheries Sector in Economy (GVA: 2021-22) is Rs 2,88,526 Crore.

Table 4.1 (a) Gross Value Added (Rs. in crore) by Economic Activity during the year 2011-12 to 2021-22
Current Basic Prices

Years	Crops	Forestry and Logging	Fisheries	Livestock	Agriculture, forestry and fisheries	National GVA
2011-12	982,151	124,436	68,027	327,334	1,501,947	8,106,946
2012-13	1,088,814	137,558	79,911	368,823	1,675,107	9,202,692
2013-14	1,248,776	156,674	98,190	422,733	1,926,372	10,363,153
2014-15	1,292,874	173,760	116,567	510,411	2,093,612	11,504,279
2015-16	1,327,992	184,411	132,720	582,410	2,227,533	12,574,499
2016-17	1,486,044	205,364	154,643	672,611	2,518,662	13,965,200
2017-18	1,633,264	217,603	193,275	785,683	2,829,826	15,505,665
2018-19	1,680,777	255,053	212,087	882,009	3,029,925	17,175,128
2019-20	1,885,276	269,727	235,550	977,918	3,368,471	18,381,117
2020-21	2,039,409	295,006	252,512	1,108,485	3,695,412	18,188,780
2021-22	2,230,455	319,903	288,526	1,227,766	4,066,649	21,438,883

Source: Ministry of Statistics & Programme Implementation, GoI

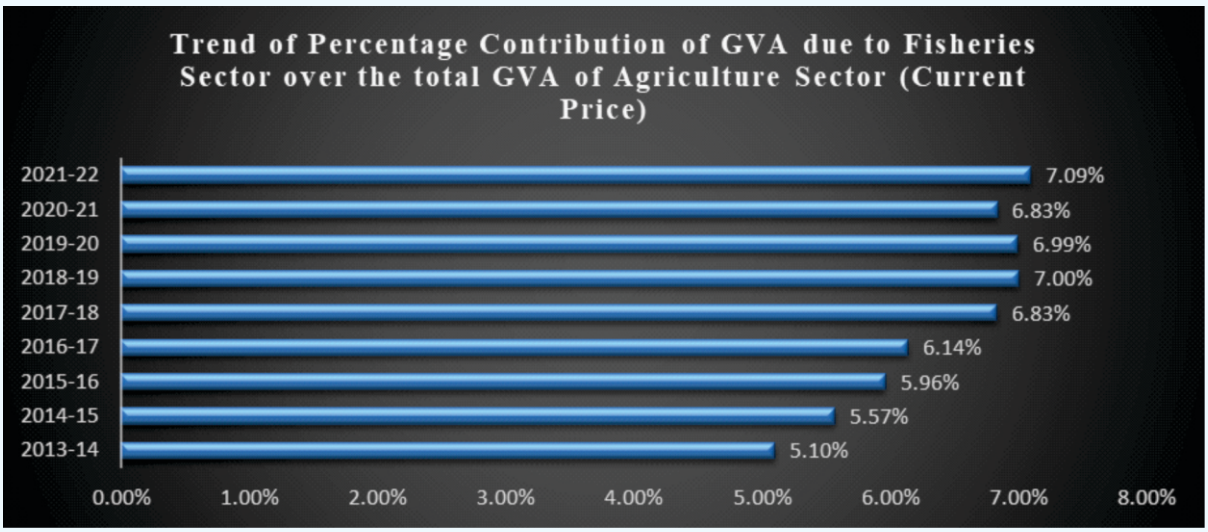


Figure 10: Trend of Percentage Contribution of GVA due to Fisheries Sector over the total GVA of Agriculture Sector (Current Price)

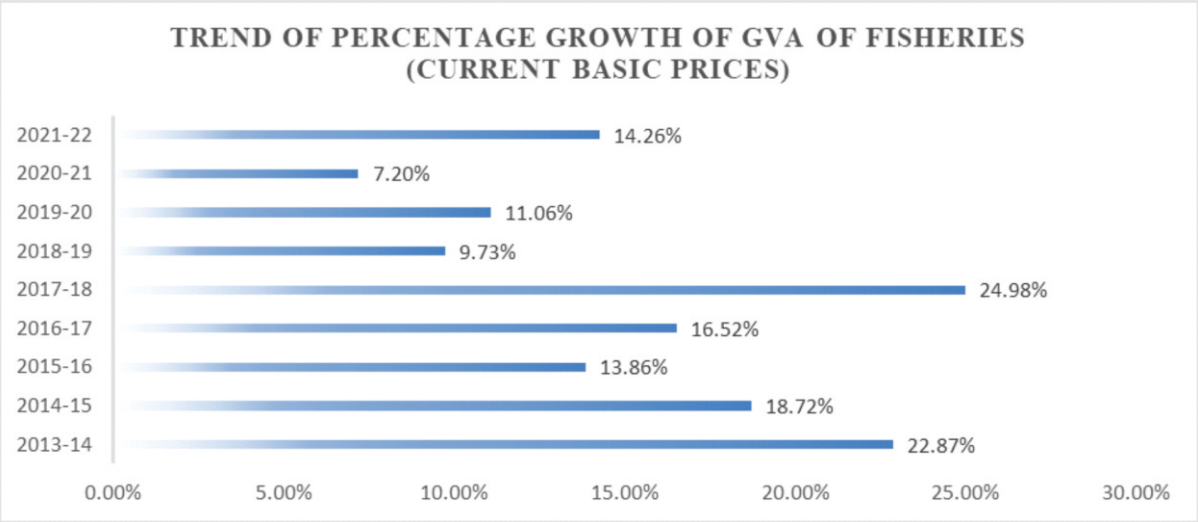


Figure 11: Trend of Percentage Growth of GVA of Fisheries (Current Basic Prices)

Table 4.1 (b) Gross Value Added (Rs. in crore) by Economic Activity during the year 2011-12 to 2021-22
Constant Prices

Years	Crops	Forestry and Logging	Fisheries	Livestock	Agriculture, forestry and fishing	National GVA
2011-12	982,151	124,436	68,027	327,334	1,501,947	8,106,946
2012-13	983,809	124,743	71,362	344,375	1,524,288	8,546,275
2013-14	1,037,060	132,093	76,487	363,558	1,609,198	9,063,649
2014-15	998,425	134,609	82,232	390,449	1,605,715	9,712,133
2015-16	969,344	136,960	90,205	419,637	1,616,146	10,491,870
2016-17	1,020,258	144,547	99,627	461,572	1,726,004	11,328,285
2017-18	1,075,111	152,351	114,730	497,830	1,840,023	12,034,171
2018-19	1,049,211	163,949	124,468	540,970	1,878,598	12,733,798
2019-20	1,108,603	173,972	130,037	581,714	1,994,326	13,236,100
2020-21	1,139,447	184,015	135,013	617,852	2,076,327	12,681,482
2021-22	1,158,250	188,416	147,519	654,937	2,149,122	13,798,025

Source: National Statistical Office, Ministry of Statistics & Programme Implementation, GoI

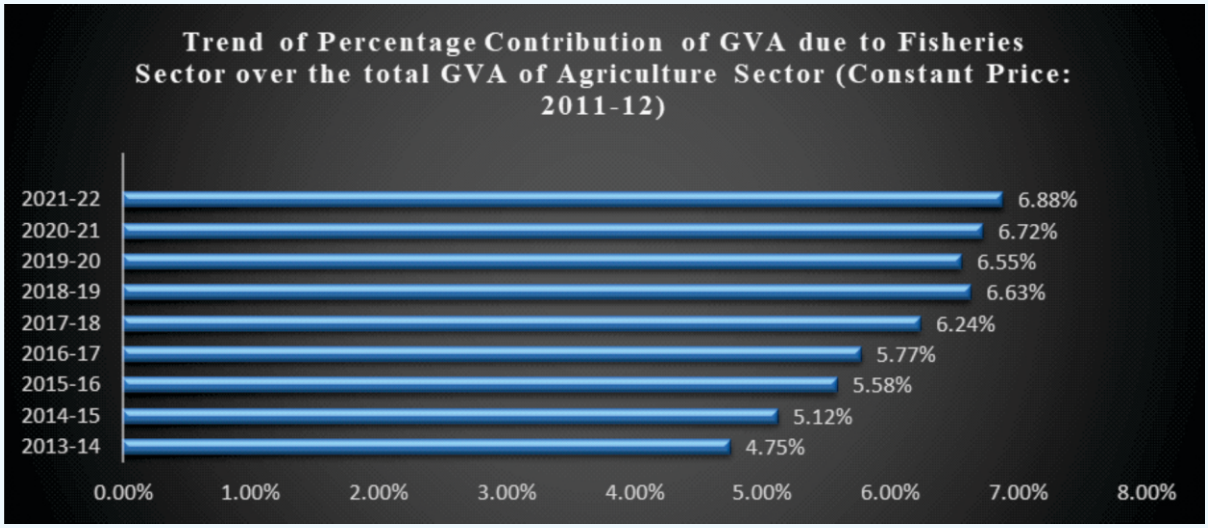


Figure 12: Trend of Percentage Contribution of GVA due to Fisheries Sector over the total GVA of Agriculture Sector (Constant Price: 2011-12)

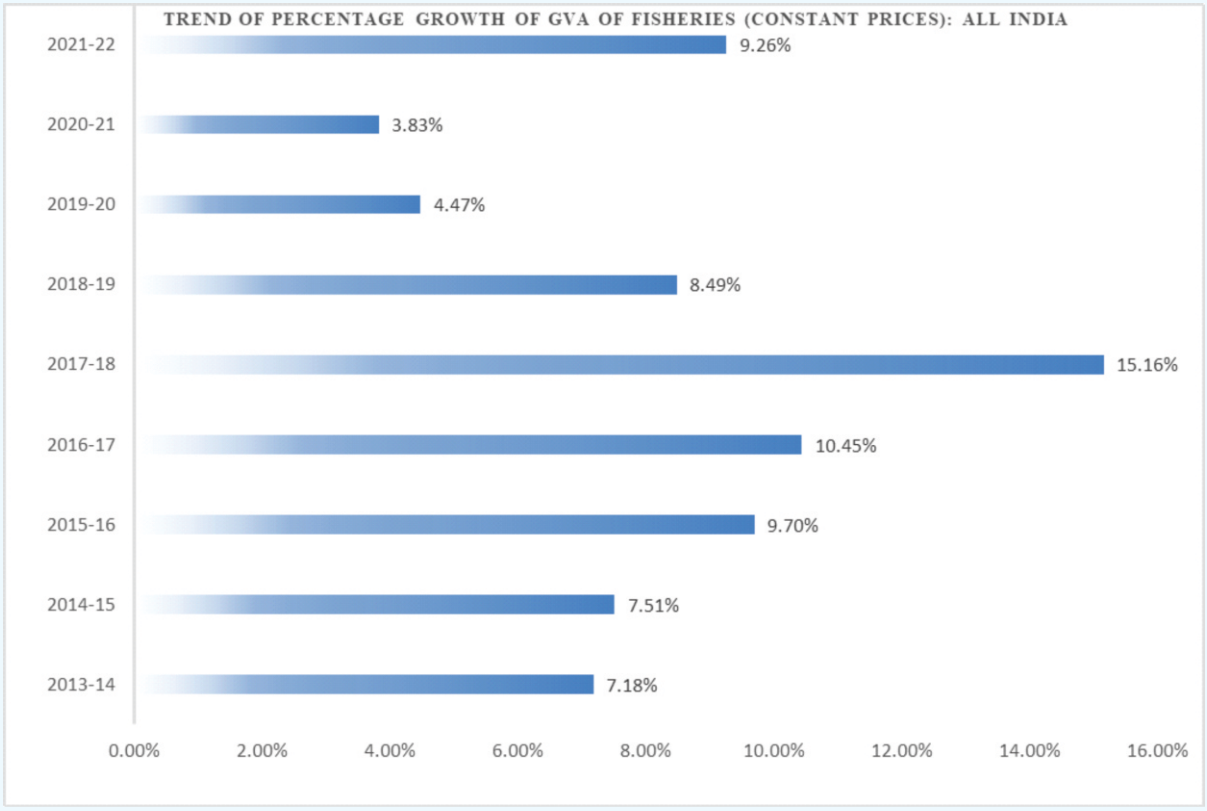


Figure 13: Trend of Percentage Growth of GVA of Fisheries (Constant Prices): All India

Gross State value added during the year 2011-12 to 2022-23 at Current Prices (Rs in Lakhs)

Table 4.2(a): Gross State Value Added of Fisheries and Aquaculture Sector at Current Prices (Rs in Lakh) as on 01.08.2023)

S. No.	States\UTs	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Andhra Pradesh	1187663	1451920	1857342	2270664	3208528	4218982	5872143	6788452	7237760	7992633	9314581	11122324
2	Arunachal Pradesh	4523	5415	5535	8192	10347	11572	12408	13855	15115	16349	18484	NA
3	Assam	395949	469115	505973	536851	571037	636678	680234	689988	1440011	1607318	1709625	2229719
4	Bihar	324374	395266	517028	653224	679521	719072	884574	912226	990943	1153951	1275930	1496150
5	Chhattisgarh	234783	281637	323661	385483	427251	481869	620473	715799	817241	940141	987472	1095029
6	Goa	66554	81298	140676	122965	143776	147271	150816	151136	164616	171986	178635	NA
7	Gujarat	323584	367616	452499	638357	694563	771130	1019111	1128350	1228261	981267	1295716	NA
8	Haryana	85843	100322	95012	110080	87783	105276	140855	173095	173682	191294	193375	256284
9	Himachal Pradesh	5175	5956	8249	9968	11241	12409	16197	17563	18881	20638	23910	25584
10	Jammu & Kashmir*	32348	34466	34385	36055	39365	39981	40608	42408	45186	46185	68221	69454
11	Jharkhand	56302	79107	99788	108947	128199	167872	233392	266726	296772	317000	342277	379862
12	Karnataka	272293	319207	384938	500390	450147	438000	619515	486825	534744	529417	1031052	1373238
13	Kerala	377363	515183	622837	704319	834359	973424	1119044	1147331	1057278	1067233	1423933	NA
14	Madhya Pradesh	64907	77207	95396	121277	139136	181715	197985	256252	309393	395651	493552	602263
15	Maharashtra	293875	351634	385199	475141	472892	627446	627833	542862	596404	630026	697411	NA
16	Manipur	19081	26429	33836	35555	39883	42472	49140	55821	52931	58428	62571	NA
17	Meghalaya	4082	7486	8538	9584	17993	22258	27395	29871	36794	39617	47200	53459
18	Mizoram	4853	5746	6181	7048	7811	9073	9548	10066	10671	6698	7259	NA
19	Nagaland	6344	6978	7690	8470	9248	10360	11102	11646	11372	12098	12493	NA
20	Odisha	268365	335124	358168	453110	560391	699883	856198	949037	1087508	1215575	1432617	1644458
21	Punjab	58601	67591	92217	107658	118630	137918	144243	143616	161306	175900	213341	239468
22	Rajasthan	33105	37408	42470	58036	53228	70401	78443	86419	94710	96636	116258	145741
23	Sikkim	287	452	523	591	606	645	726	844	1016	1020	1118	1250
24	Tamil Nadu	424110	433247	434895	680352	713808	838361	1076864	1124129	1223323	1256507	1532886	1709988

Gross State Value Added of Fisheries and Aquaculture Sector at Current Prices(Rs in Lakh) as on 01.08.2023

S. No.	States\UTs	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
25	Telangana	148143	183861	249721	266968	264931	227456	365378	404173	469360	525426	588263	669242
26	Tripura	48815	66538	124236	149951	174398	186331	184949	195641	206642	241354	265470	294152
27	Uttar Pradesh	277097	308458	342337	380730	382277	478446	487218	813631	1037201	1076177	1167434	1454833
28	Uttarakhand	3562	3815	4497	4797	5123	5437	6045	5312	5648	6979	7649	8954
29	West Bengal	1720606	1971166	2474808	2713164	2928089	3044951	3705996	3923797	4002479	4395905	4583949	4846914
30	Andaman & Nicobar Islands	15456	16089	17102	18451	18256	19635	19187	22003	23751	25868	28569	NA
31	Chandigarh	235	58	174	194	222	241	274	250	250	268	268	NA
32	Delhi	826	840	947	978	1030	1139	1273	1277	1471	1216	1214	1367
33	Puducherry	19392	19834	21914	24665	29436	29641	28777	34799	39675	34072	36492	NA

Source: National Statistics Office: Ministry of Statistics & Programme Implementation, Government of India

NA: Not Available

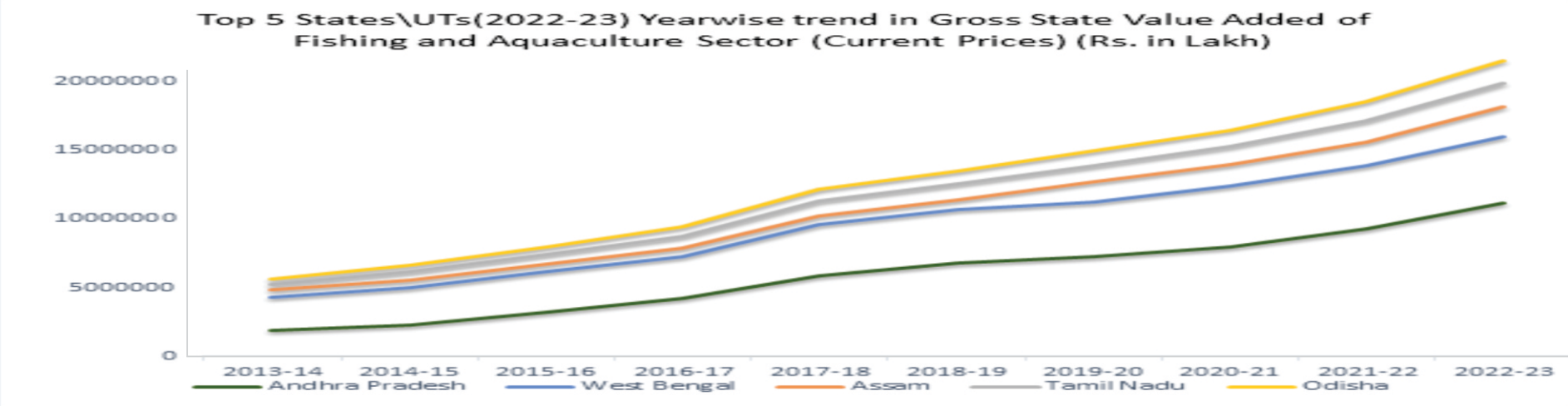


Figure 14 : Top 5 States\UTs(2022-23) Year wise trend in Gross State Value Added of Fishing and Aquaculture Sector (Current Prices) (Rs. in Lakh)

Gross State value added during the year 2011-12 to 2022-23 at Constant Prices (Rs in Lakhs)

Table 4.2(b): Gross State Value Added of Fisheries and Aquaculture Sector at Constant Prices(Rs in Lakh) as on 01.08.2023)

S. No.	States\UTs	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Andhra Pradesh	1187663	1354595	1551629	1762000	2447867	3099850	4145235	4822580	5115082	5529560	6516887	6834413
2	Arunachal Pradesh	4523	4738	4562	5735	5750	5893	6097	6577	7055	7384	7399	NA
3	Assam	395949	413080	441430	462520	475816	520814	557334	574609	641606	700277	761933	828033
4	Bihar	324374	376833	407112	451840	477154	479427	553531	567042	603747	643404	717305	797010
5	Chhattisgarh	234783	239415	266903	294258	320482	352891	428200	457659	503807	540782	553819	593083
6	Goa	66554	58595	76320	77754	74860	81631	86295	81531	72364	76126	77561	NA
7	Gujarat	323584	325912	356512	417952	434353	454617	541981	565200	531300	446500	539700	NA
8	Haryana	85843	90289	85510	90064	100317	117837	156794	153734	155817	170595	172578	210060
9	Himachal Pradesh	5175	5707	6552	7309	8083	8550	8753	9333	9774	10713	11553	12361
10	Jammu & Kashmir*	32348	32397	32311	32790	32453	32962	33480	34062	35176	35232	41589	42673
11	Jharkhand	56302	59331	64380	65367	71222	89135	116696	128028	136975	146311	157980	171994
12	Karnataka	272293	265862	277749	310698	295516	281248	344137	302940	314084	298789	567386	661383
13	Kerala	377363	376419	397845	431362	397997	405260	450387	479897	399889	371104	483834	NA
14	Madhya Pradesh	64907	73375	82868	93933	98971	119382	123459	149087	172744	214229	252232	292684
15	Maharashtra	293875	296543	302550	323849	310302	376166	333038	297848	320946	300400	340112	NA
16	Manipur	19081	22275	26235	25921	27362	27536	27099	27961	26509	29201	31346	NA
17	Meghalaya	4082	5149	5468	5741	11157	13439	11770	12806	13903	15325	17333	19353
18	Mizoram	4853	5299	5387	5822	6132	6787	6820	6831	6850	4187	4450	NA
19	Nagaland	6344	6611	6921	7261	7568	7970	8326	8389	8749	8382	8432	NA
20	Odisha	268365	301753	296675	336777	372398	454096	531646	577977	631119	655640	751390	769373
21	Punjab	58601	59514	62444	68903	72070	79627	82318	82574	92431	100505	117116	130917
22	Rajasthan	33105	35974	38544	50859	46613	55119	59337	61329	63847	66068	72143	84874
23	Sikkim	287	316	349	385	424	475	535	606	612	546	599	630
24	Tamil Nadu	424110	428311	432006	467167	509124	467883	507973	525992	562670	529751	575250	586747

Gross State Value Added of Fisheries and Aquaculture Sector at Constant Prices(Rs in Lakh) as on 01.08.2023

S. No.	States\UTs	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
25	Telangana	148143	163601	187203	203062	180788	149052	203426	223821	235965	265237	297511	332494
26	Tripura	48815	66516	78485	122583	132016	135920	135642	142477	144827	147482	153908	157930
27	Uttar Pradesh	277097	290041	299540	318743	325421	398288	405465	427104	450605	480857	521484	593878
28	Uttarakhand	3562	3614	3658	3737	3846	3994	4255	4603	4768	4988	5660	6172
29	West Bengal	1720606	1746644	1832021	1875490	1943714	1969255	2020235	2116362	2131247	2135373	2217051	2272519
30	Andaman & Nicobar Islands	15456	16062	16191	17065	16610	17762	17384	17576	17150	18613	18980	NA
31	Chandigarh	235	48	108	114	122	122	129	124	124	129	129	NA
32	Delhi	826	771	760	753	793	826	895	876	961	847	810	810
33	Puducherry	19392	19490	20030	22760	24410	23452	26695	28654	26720	23413	28892	NA

Source: National Statistics Office, Ministry of Statistics & Programme Implementation, GoI

NA: Not Available

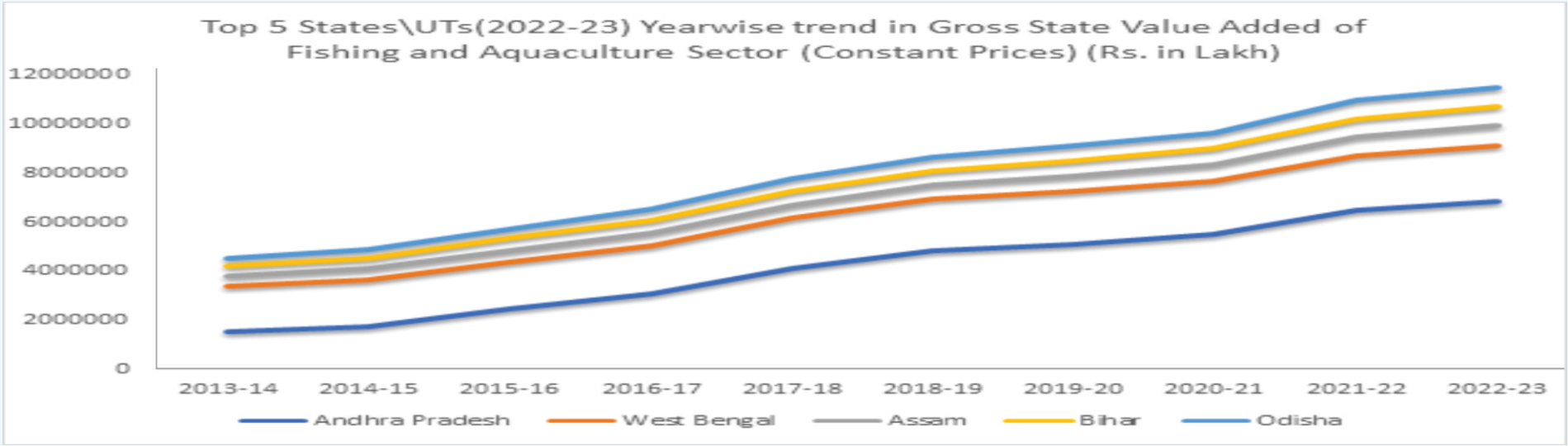


Figure 15: Top 5 States\UTs (2022-23) Year wise trend in Gross State Value Added of Fishing and Aquaculture Sector (Constant Prices)



Chapter

5

Fisheries Export







Fisheries Export

The Value of Fisheries Export of Marine Products is Rs 63,969.14 Cr for the year 2022-23

Trends in Export of Marine Products

Table 5.1: Trend in Export of Marine Products: 2010-11 to 2022-23

Year	Quantity Tonnes)	Value (Rs. Crore)	US Dollar ($: Million)	Unit value (Rs. /tonnes)	Annual growth rate (%)	
					Quantity	Value
2010-11	813090.9	12901.47	2856.92	158671.89	19.85	28.39
2011-12	862021.4	16597.23	3508.45	192538.46	6.02	28.65
2012-13	928214.7	18856.26	3511.67	203145.42	7.68	13.61
2013-14	983755.6	30213.26	5007.7	307121.6	5.98	60.23
2014-15	1051243	33441.61	5511.12	318114.75	6.86	10.69
2015-16	945891.9	30420.83	4687.94	321609.99	-10.02	-9.03
2016-17	1134948	37870.9	5777.61	333679.62	19.99	24.49
2017-18	1377244	45106.89	7081.55	327515.69	21.35	19.11
2018-19	1392559	46589.37	6728.5	334559.46	1.11	3.29
2019-20	1289651	46662.85	6678.69	361825.42	-7.39	0.16
2020-21	1149510	43720.98	5956.93	380344.49	-10.87	-6.30
2021-22	1369264	57586.48	7759.58	420570.00	19.12	31.71
2022-23	1735286	63969.14	8094.31	368637.45	26.73	11.08

Source: Marine Products Export Development Authority, Kochi

[6]Marine Products Export Development Authority (MPEDA), Kochi

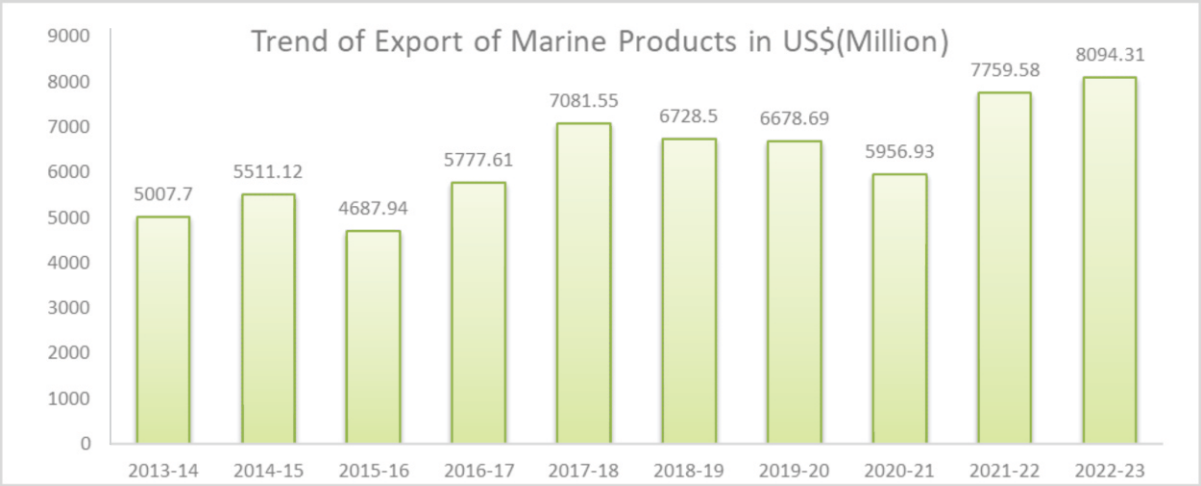


Figure 16: Trend of Export of Marine Products in US$(Million)

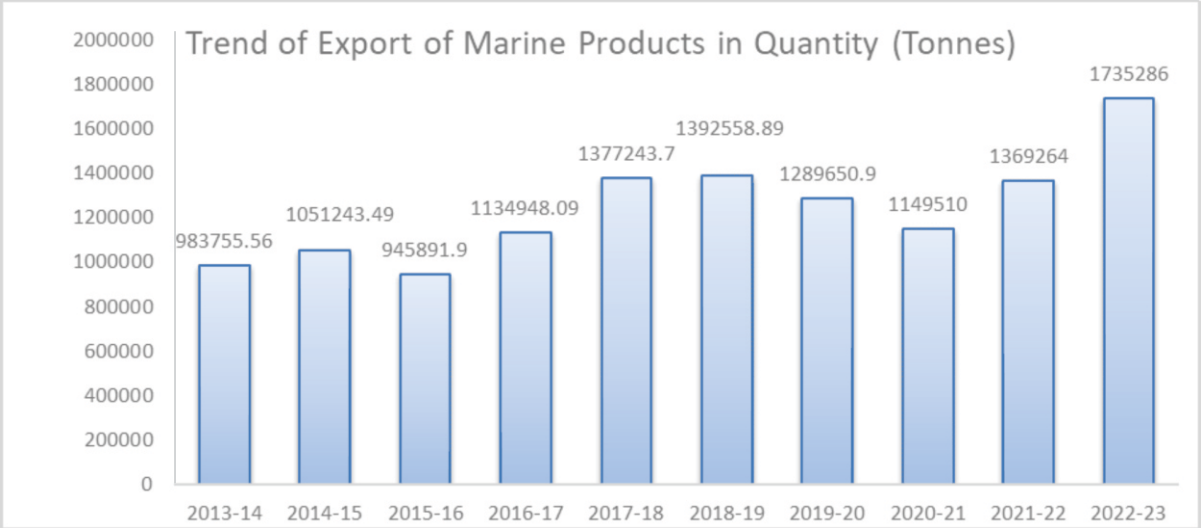


Figure 17: Trend of Export of Marine Products in Quantity (Tonnes)

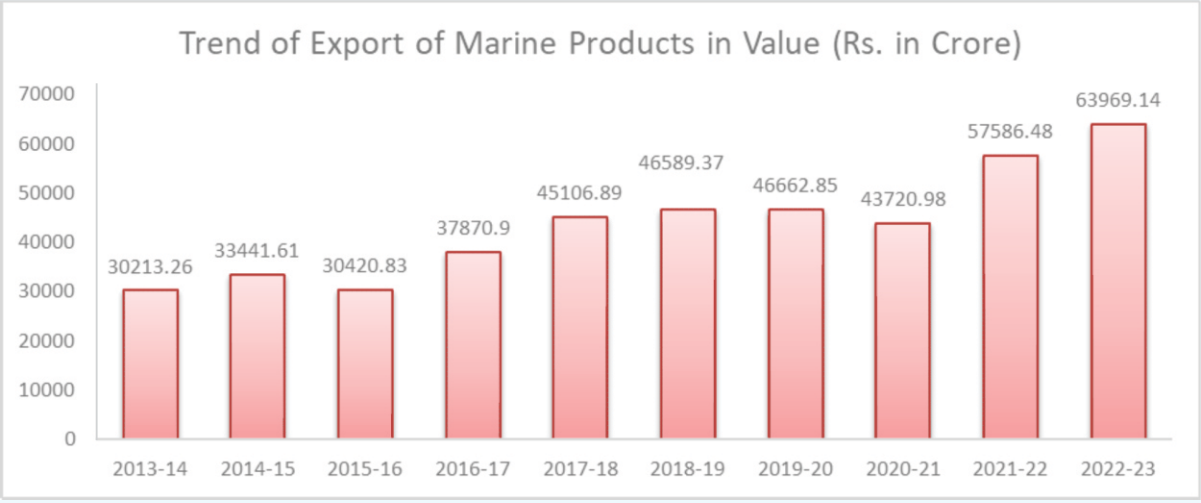


Figure 18: Trend of Export of Marine Products in Value (Rs. in Crore)

Item-wise Export of Marine Products

Table 5.2: Item wise Export of Marine Products (2010-11 to 2022-23)

Item		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
FROZEN SHRIMP	Q:	151465	189125	228620	301435	357505	373866	434486	565980	614145	652253	590275	728123	711099
	V:	5718.13	8175.26	9706.36	19368.30	22468.12	20045.50	24711.32	30868.17	31800.51	34152.03	32520.29	42706.04	43135.58
	$:	1261.81	1741.20	1803.26	3210.94	3709.76	3096.68	3726.38	4848.19	4610.59	4889.12	4426.19	5828.59	5481.63
FROZEN FISH	Q:	312358	347118	343876	324359	309434	228749	296762	353192	338933	223318	188130	226586	368549
	V:	2623.89	3284.15	3296.86	4294.81	3778.50	3462.25	4460.90	4674.03	4916.82	3610.01	2941.65	3471.91	5503.18
	$:	583.48	683.50	617.59	708.63	619.66	529.85	672.47	733.17	699.09	513.60	402.31	471.45	687.05
FR CUTTLE FISH	Q:	59159	54671	63296	68577	82353	65596	63320	69183	60210	70906	59292	58992	54919
	V:	1104.57	1346.72	1354.28	1386.98	1833.21	1636.11	1944.50	2356.46	1975.97	2009.79	1626.34	2062.63	2353.34
	$:	244.62	282.72	251.54	228.13	300.69	250.31	292.73	369.88	282.29	286.40	221.97	280.08	295.49
FR SQUID	Q:	87579	77373	75387	87437	69569	81769	99348	100845	101101	87631	61176	75750	83846
	V:	1010.57	1228.19	1378.08	1731.97	1275.25	1615.21	2575.29	2451.87	2506.99	2196.59	1998.90	2806.09	3593.75
	$:	223.67	262.72	256.90	284.60	209.84	247.53	388.64	385.01	359.71	314.23	273.37	383.37	454.61
DRIED ITEM	Q:	79059	53721	72953	67901	70544	43320	61071	88997	95296	84417	85661	73679	252918
	V:	954.94	562.65	819.90	998.00	1010.16	725.58	871.74	1042.37	1323.45	981.50	1148.38	1472.98	3080.92
	$:	212.22	117.66	152.81	167.89	165.52	111.57	199.77	163.53	189.58	140.81	156.94	143.46	384.05
LIVE ITEMS	Q:	5208	4199	4373	5080	5488	5493	6703	7034	10179	7287	4379	7032	7824
	V:	142.15	154.61	197.89	281.85	301.51	308.81	403.75	286.11	388.88	324.26	239.69	353.36	440.06
	$:	31.46	32.46	36.82	46.70	49.62	47.77	61.05	45.41	55.89	46.43	32.72	47.98	55.47
CHILLED ITEMS	Q:	21118	21278	26868	19755	31404	33150	31815	19501	17207	21202	17622	21689	24428
	V:	257.54	357.42	537.11	527.84	635.93	809.50	769.81	647.41	616.22	631.84	477.99	733.47	616.29
	$:	56.93	74.03	99.87	88.48	104.71	124.51	116.02	101.78	89.20	90.34	65.14	63.92	77.17
OTHERS	Q:	97145	114538	112841	109212	124947	113949	141442	172512	155487	142638	142975	177414	231703
	V:	1089.67	1488.24	1565.78	1623.50	2138.94	1817.87	2133.59	2780.48	3060.53	2756.84	2767.74	3979.99	5246.03
	$:	242.72	314.16	292.86	272.34	351.31	279.71	320.54	434.58	442.16	397.77	378.30	540.73	658.84
TOTAL	**Q:**	**813091**	**862021**	**928215**	**983756**	**1051243**	**945892**	**1134948**	**1377244**	**1392559**	**1289651**	**1149510**	**1369264**	**1735286**
	V:	**12901.47**	**16597.23**	**18856.26**	**30213.26**	**33441.61**	**30420.83**	**37870.90**	**45106.89**	**46589.37**	**46662.85**	**43720.98**	**57586.48**	**63969.14**
	$:	**2856.92**	**3508.45**	**3511.67**	**5007.70**	**5511.12**	**4687.94**	**5777.61**	**7081.55**	**6728.50**	**6678.69**	**5956.93**	**7759.58**	**8094.31**

Q: Quantity in M T, V: Value in Rs. Crore, $: US Dollar Million

Source: Marine Products Export Development Authority, Kochi

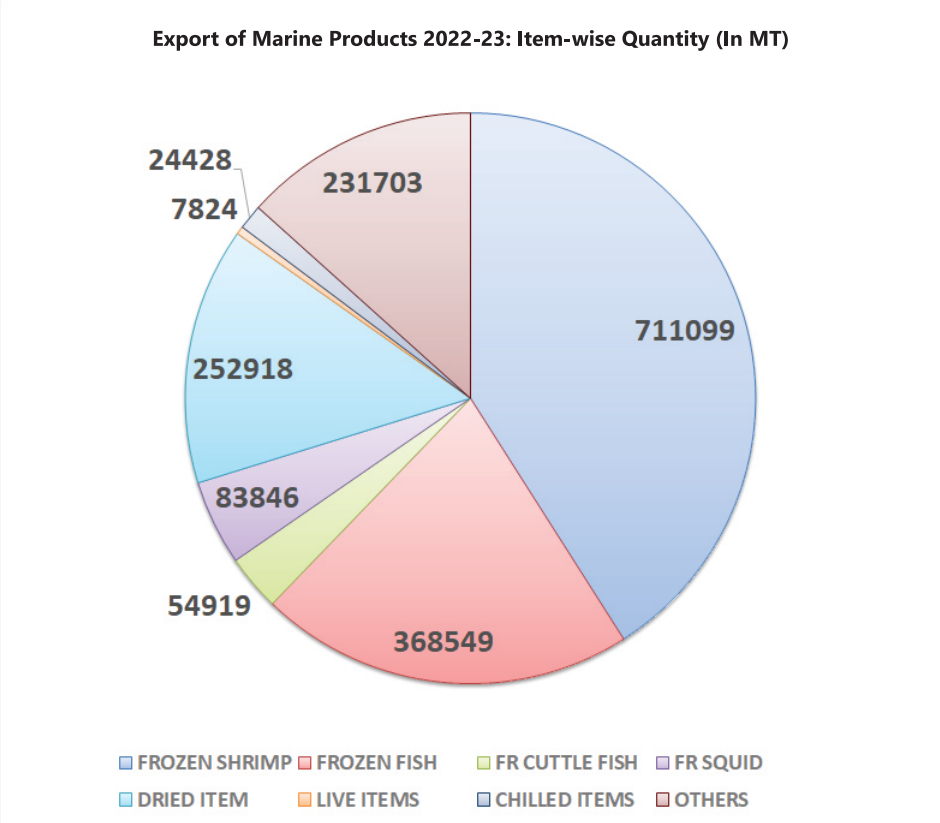


Figure 19: Export of Marine Products 2022-23: Item-wise Quantity (In MT)

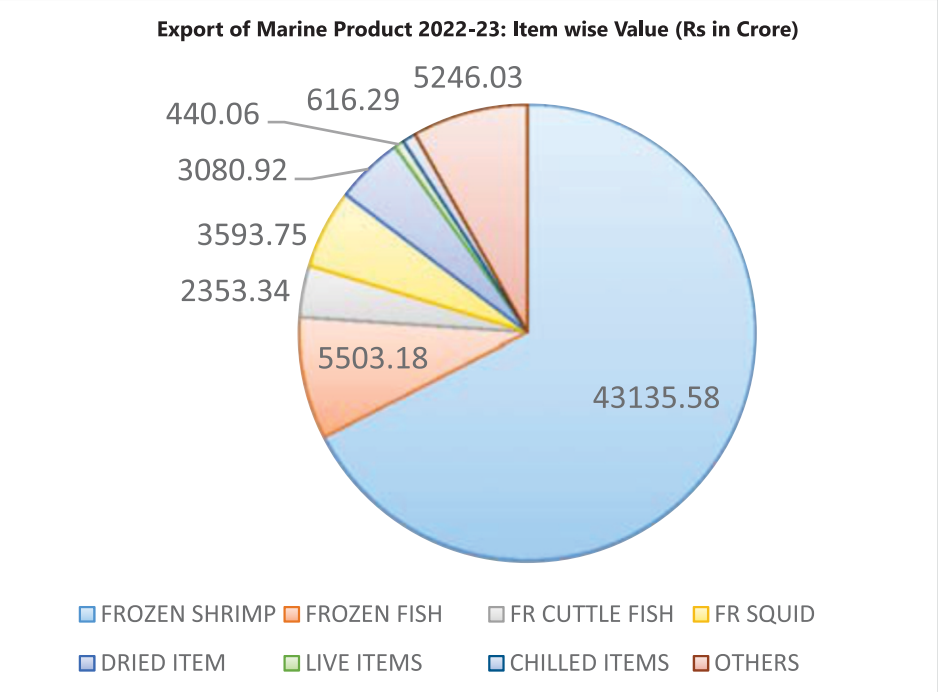


Figure 20 : Export of Marine Product 2022-23: Item wise Value (Rs in Crore)

Market-wise Export of Marine Products

Table 5.3: Market wise Export of Marine Products (2010-11 to 2022-23)

Market		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
JAPAN	Q:	70714	85800	76648	71484	78772	75393	69039	85651	84080	78507	86814	90308	109199
	V:	1683.39	2140.67	1999.59	2463.83	3040.26	2610.74	2621.37	2846.30	2919.75	2920.28	3033.36	3242.94	3846.90
	$:	373.00	456.35	372.57	410.95	502.29	403.48	394.50	445.27	423.27	422.24	412.11	440.77	484.79
USA	Q:	50095	68354	92447	110880	129667	153695	188617	247780	281913	305178	291948	372611	306334
	V:	1990.26	2977.53	4026.48	7744.67	8830.12	8633.40	11482.16	14769.83	16220.00	17904.37	17990.40	24603.34	20600.35
	$:	438.49	637.53	747.45	1286.04	1458.24	1334.05	1731.81	2320.05	2344.43	2562.54	2451.04	3371.66	2632.08
EUROPEAN UNION	Q:	170963	154221	158357	174686	188031	186349	189833	190314	165571	165773	152770	198484	207976
	V:	3459.40	3810.44	4176.42	6129.69	6715.58	6311.45	6892.19	7115.96	6256.20	6136.71	6022.83	8570.05	10018.38
	$:	765.15	805.38	777.41	1013.28	1106.67	970.77	1038.59	1116.74	900.50	876.47	821.83	1162.17	1263.71
CHINA	Q:	159147	84515	87776	75783	59519	50042	45443	49701	225519	329479	218343	266989	405547
	V:	1977.81	1259.23	1444.86	1766.72	1349.00	1432.25	1341.94	1448.03	5672.76	9617.44	6908.63	9056.70	11956.91
	$:	440.10	263.30	269.47	293.12	221.44	220.69	202.19	227.39	811.14	1374.63	939.17	1175.05	1508.43
SOUTHEAST ASIA	Q:	233964	343962	340944	380061	409931	328900	484819	616707	446966	223398	217710	243401	431774
	V:	2114.48	4193.27	4357.28	8046.59	8620.85	7499.16	11461.83	14250.26	10561.31	4929.90	4876.05	5747.98	9494.02
	$:	469.36	880.09	811.80	1320.95	1416.82	1152.86	1728.19	2237.07	1531.53	705.99	665.60	779.28	1191.25
MIDDLE EAST	Q:	43983	38155	41419	58040	64608	53905	52973	62220	60232	57387	48606	58426	77677
	V:	670.35	894.38	1113.34	1599.37	2020.86	1793.67	1830.58	1849.10	1979.34	2079.12	1843.39	2235.53	2623.05
	$:	148.31	186.85	209.26	272.65	333.10	276.46	275.93	290.46	286.30	297.23	251.13	303.12	330.68
OTHERS	Q:	84225	87014	130623	112822	120716	97609	104224	124871	128278	129929	133319	139045	196780
	V:	1005.77	1321.72	1738.29	2462.40	2864.93	2140.16	2240.83	2827.40	2980.02	3075.03	3046.32	4129.95	5429.53
	$:	222.50	278.94	323.71	410.71	472.56	329.62	406.40	444.57	431.33	439.60	416.05	527.53	683.38
TOTAL	**Q:**	**813091**	**862021**	**928215**	**983756**	**1051243**	**945892**	**1134948**	**1377244**	**1392559**	**1289651**	**1149510**	**1369264**	**1735286**
	V:	**12901.47**	**16597.23**	**18856.26**	**30213.26**	**33441.61**	**30420.83**	**37870.90**	**45106.89**	**46589.37**	**46662.85**	**43720.98**	**57586.48**	**63969.14**
	$:	**2856.92**	**3508.45**	**3511.67**	**5007.70**	**5511.12**	**4687.94**	**5777.61**	**7081.55**	**6728.50**	**6678.69**	**5956.93**	**7759.58**	**8094.31**

Q: Quantity in M T, V: Value in Rs. Crore, $: US Dollar Million

Source: Marine Products Export Development Authority, Kochi

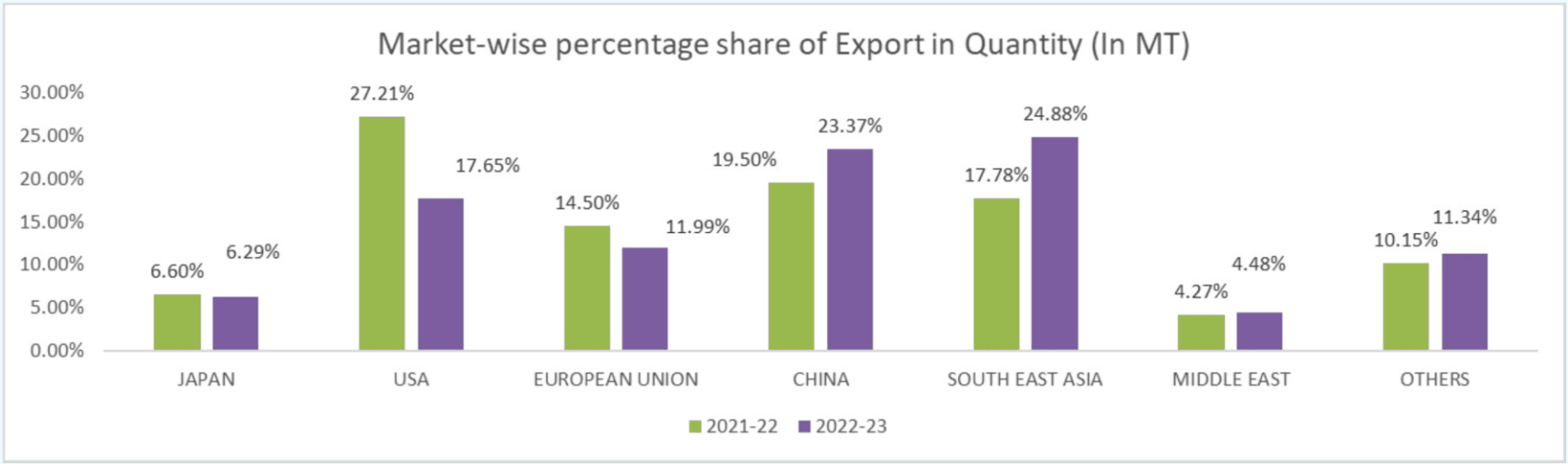


Figure 21: Market-wise percentage share of Export in Quantity (In MT)

Port-wise Export of Marine Products

Table 5.4: Port-wise Export of Marine Products (2010-11 to 2022-23)

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
VIZAG	Q:	38217	62215	78542	102146	115672	128718	159973	200779	221374	241783	216457	247755	264214
	V:	1300.28	2652.15	3344.97	6825.64	7578.27	7161.00	9294.31	11442.39	11913.07	13139.73	12362.71	15648.62	16876.93
	$:	286.44	565.03	620.93	1131.25	1251.83	1105.76	1401.94	1797.08	1726.32	1880.49	1681.20	2125.55	2133.35
KOLKATA	Q:	56060	59151	63832	67148	84994	91054	104691	98861	116167	128150	116419	121339	125193
	V:	1313.67	1730.89	1811.21	3053.46	3686.35	3430.99	4455.19	4875.58	5227.73	5308.02	5112.77	6168.78	6481.60
	$:	290.50	370.14	335.91	503.23	609.05	530.91	705.35	765.65	757.13	760.90	695.84	854.37	838.54
KOCHI	Q:	121550	152445	162109	160798	162818	145193	155989	176090	180457	146038	143552	175332	225230
	V:	1892.14	2859.02	3265.64	4491.03	4989.86	4447.05	4860.98	5805.11	5861.55	4904.49	4994.75	6167.69	7550.48
	$:	418.10	605.25	608.80	748.69	822.23	684.35	733.24	911.72	845.57	700.26	681.04	849.57	959.09
KRISHNAPATNAM	Q:	0.00	0.00	294	19594	30690	38412	62049	86420	86248	97708	64230	28142	18832
	V:	0.00	0.00	12.72	1525.62	2066.14	2167.01	3701.63	4773.83	4644.12	5134.31	3762.21	1757.79	1187.40
	$:	0.00	0.00	2.36	248.37	341.51	334.45	557.87	749.65	672.48	735.44	511.79	239.88	149.92
J N P	Q:	155829	148891	145723	142073	149585	125751	149914	177752	158213	134766	104605	182046	226540
	V:	1970.65	2151.66	2399.80	3531.36	3939.46	3437.53	4084.96	4699.10	4811.12	4359.71	3573.53	5643.81	5892.69
	$:	437.73	452.57	448.46	584.74	648.48	529.03	615.93	740.10	694.56	623.40	487.70	767.50	740.66
PIPAVAV	Q:	197478	219801	233738	248621	243640	204799	232391	306181	293835	257402	185817	127176	195739
	V:	2025.72	2710.34	2808.25	3605.77	3588.35	3429.91	4217.45	4876.20	4844.03	4556.19	3330.90	2150.21	3309.57
	$:	452.22	564.30	525.57	595.61	588.47	525.31	629.56	760.84	693.20	650.01	454.46	291.50	413.70
CHENNAI	Q:	55961	46184	53596	55282	46671	39021	37305	48442	55296	51539	68973	112356	104604
	V:	1979.76	1847.88	2062.72	2709.97	2458.20	1918.02	1693.87	2052.46	2040.32	2045.57	3147.48	5947.20	5284.52
	$:	436.77	394.61	383.46	456.79	405.71	296.86	255.50	322.88	295.40	292.97	430.21	807.86	669.00
TUTICORIN	Q:	30220	34532	32989	39547	42203	40591	42026	51684	55251	57159	47299	52449	72780
	V:	880.41	1180.84	1269.03	2163.18	2328.27	1999.16	2220.52	2654.96	2768.77	2942.64	2414.66	3216.18	3587.52
	$:	194.12	250.58	235.91	358.60	383.92	308.25	334.77	417.09	401.22	421.04	328.74	437.43	453.21
MANGALORE/ICD	Q:	104821	86367	95907	98230	115470	83954	126405	144235	141980	95757	105278	92149	198239
	V:	688.32	659.41	849.01	1114.63	1363.38	1048.08	1584.08	1793.41	1886.43	1358.89	1539.45	1653.82	3173.60
	$:	152.45	137.90	157.86	182.84	223.20	160.63	278.45	281.54	269.26	197.74	210.64	224.11	394.99

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
KATTUPALLI/ENNORE	Q:	0.00	0.00	0.00	0.00	4571	5385	8212	14198	18205	26174	31421	47554	47888
	V:	0.00	0.00	0.00	0.00	248.40	256.00	389.17	699.46	778.84	1220.50	1533.49	2605.36	2315.37
	$:	0.00	0.00	0.00	0.00	40.47	39.70	58.68	109.81	112.44	174.77	208.91	355.02	293.22
MUNDRA	Q:	263	573	8274	3201	1026	3161	3918	5476	8889	19431	39243	102219	87105
	V:	3.79	11.15	119.96	49.68	14.28	89.96	120.55	152.75	217.82	303.15	773.57	2928.59	2407.42
	$:	0.84	2.28	22.32	8.40	2.35	13.77	18.18	23.95	31.51	43.36	106.34	340.88	303.40
KAKINADA	Q:	0.00	0.00	0.00	62	0.00	0.00	473	2032	3793	8927	8968	16	1010
	V:	0.00	0.00	0.00	3.74	0.00	0.00	32.04	124.66	213.22	533.37	558.19	0.87	59.69
	$:	0.00	0.00	0.00	0.62	0.00	0.00	4.80	19.63	31.66	75.94	75.65	0.12	7.31
MUMBAI	Q:	1965	2973	3164	5338	2098	1877	1837	3052	2633	1464	759	4201	14993
	V:	273.49	268.51	323.77	454.76	333.72	235.20	226.40	206.87	309.49	176.54	172.11	234.56	319.10
	$:	60.73	55.68	60.47	76.49	54.83	36.17	34.14	32.44	44.61	25.22	23.55	31.81	40.54
GOA	Q:	35728	40432	41377	34288	44684	31681	43199	50571	37938	14699	8241	6679	2823
	V:	275.30	351.17	366.95	445.92	569.54	490.48	641.41	711.91	619.67	288.50	160.17	112.97	41.82
	$:	61.04	73.66	68.33	72.13	93.38	75.09	96.79	111.73	88.17	41.31	21.92	15.31	5.24
HAZIRA	Q:	0.00	0.00	0.00	0.00	423	360	664	491	2312	2687	2214	2383	1931
	V:	0.00	0.00	0.00	0.00	27.63	24.87	35.58	22.18	121.63	145.13	116.50	140.67	131.64
	$:	0.00	0.00	0.00	0.00	4.56	3.83	5.37	3.47	17.22	20.74	15.88	19.08	16.50
HYDERABAD	Q:	2	85	386	173	719	1192	1142	1289	2548	1424	1204	1674	1243
	V:	0.03	3.24	11.48	5.49	26.91	41.75	38.20	40.49	55.39	38.35	50.70	89.17	76.99
	$:	0.01	0.68	2.13	0.93	4.44	6.45	5.74	6.38	8.11	5.50	6.93	12.10	9.65
TRIVANDRUM	Q:	2932	2867	3131	3180	2955	3665	2947	2506	2606	2168	1119	1643	1743
	V:	105.61	117.54	143.56	164.19	141.56	186.02	142.41	112.76	153.14	115.50	44.04	80.65	112.33
	$:	23.33	24.56	26.72	27.41	23.30	28.50	21.44	17.73	22.04	16.50	6.03	10.92	14.09
MAHADIPUR	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2327	166	315	1572	5085	6895
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.60	1.55	3.76	18.10	61.51	61.68
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98	0.22	0.55	2.50	8.32	7.64
AHMEDABAD	Q:	432	87	44	97	224	171	198	378	270	187	24	679	7
	V:	124.94	4.77	1.40	3.03	6.74	14.40	29.32	17.33	18.72	13.74	16.59	9.80	14.85
	$:	27.81	1.04	0.26	0.48	1.10	2.17	4.41	2.72	2.66	1.95	2.26	1.34	1.89

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
VERAVAL	Q:	0.00	101	0.00	0.00	0.00	0.00	88	33	0.00	18	605	94	26
	V:	0.00	1.77	0.00	0.00	0.00	0.00	6.17	2.03	0.00	0.69	12.17	0.37	0.09
	$:	0.00	0.34	0.00	0.00	0.00	0.00	0.93	0.32	0.00	0.10	1.67	0.05	0.01
BANGALORE	Q:	3	8	479	388	810	79	202	52	68	184	175	28	20
	V:	0.22	0.81	6.23	7.75	10.12	2.30	4.98	2.39	4.45	8.24	7.12	1.85	2.19
	$:	0.05	0.17	1.15	1.25	1.67	0.35	0.75	0.38	0.64	1.18	0.96	0.25	0.27
PORBANDAR	Q:	0.00	0.00	0.00	0.00	20	0.00	183	0.00	0.00	0.00	169	0.00	15
	V:	0.00	0.00	0.00	0.00	0.90	0.04	8.23	0.00	0.00	0.00	4.48	0.00	0.35
	$:	0.00	0.00	0.00	0.00	0.15	0.01	1.24	0.00	0.00	0.00	0.61	0.00	0.04
HILL LAND CUSTOMS	Q:	3714	2736	3109	1604	144	209	95	4131	2815	329	716	2916	5142
	V:	8.35	6.62	13.91	5.21	1.34	8.32	4.07	21.53	18.68	0.94	4.37	10.13	17.25
	$:	1.85	1.36	2.56	0.88	0.22	1.29	0.61	3.39	2.70	0.14	0.59	1.37	2.18
GHOGADANGA	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197	195	12	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.99	4.00	0.13	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.56	0.02	0.00
TRICHY	Q:	10	22	1	14	32	67	713	13	23	2	90	320	311
	V:	0.31	0.44	0.03	1.13	3.31	10.88	38.23	0.82	0.65	0.05	3.64	8.57	9.20
	$:	0.07	0.10	0.01	0.20	0.54	1.67	5.75	0.13	0.09	0.01	0.50	1.16	1.16
CALICUT	Q:	132	403	1159	1720	980	280	206	50	0.00	21	29	125	102
	V:	4.36	11.77	26.65	51.14	34.66	11.35	5.15	1.15	0.01	0.35	1.10	21.13	3.26
	$:	0.97	2.48	4.95	8.68	5.74	1.75	0.78	0.18	0.00	0.05	0.15	0.63	0.41
PARADEEP	Q:	0.00	0.00	0.00	0.00	413	134	0.00	0.00	0.00	0.00	17	199	0.00
	V:	0.00	0.00	0.00	0.00	8.98	1.83	0.00	0.00	0.00	0.00	0.77	8.60	0.00
	$:	0.00	0.00	0.00	0.00	1.47	0.29	0.00	0.00	0.00	0.00	0.11	1.19	0.00
AGARTALA	Q:	0.00	105	0.00	97	54	0.00	1	61	17	NA	50	28	0.00
	V:	0.00	0.24	0.00	0.17	0.24	0.00	0.02	0.40	1.01	0.00	0.65	0.49	0.00
	$:	0.00	0.05	0.00	0.03	0.04	0.00	0.00	0.06	0.15	0.00	0.09	0.07	0.00
MADURAI	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33	70	44	14	4	16
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	2.91	1.76	0.51	0.11	0.50
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.43	0.25	0.07	0.01	0.06

-: NA

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
HALDIA	Q:	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	1357	1025	56	82	0.00
	V:	0.00	0.33	0.00	0.00	0.00	0.03	0.00	0.00	74.59	56.89	0.24	4.18	0.00
	$:	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.66	8.06	0.03	0.57	0.00
DELHI	Q:	0.00	34	242	0.00	147	5	8	21	0.00	14	0.00	0.00	0.00
	V:	0.00	4.94	17.67	0.00	5.92	0.33	0.36	0.79	0.00	0.16	0.00	0.00	0.00
	$:	0.00	1.05	3.27	0.00	0.97	0.05	0.05	0.12	0.00	0.02	0.00	0.00	0.00
PORT BLAIR	Q:	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00
	V:	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00
SURUT (INHZA)	Q:	0.00	0.00	0.00	1	101	130	0.00	0.00	0.00	26	0.00	33	0.00
	V:	0.00	0.00	0.00	0.09	7.33	7.97	0.00	0.00	0.00	0.58	0.00	1.64	0.00
	$:	0.00	0.00	0.00	0.01	1.21	1.21	0.00	0.00	0.00	0.08	0.00	0.22	0.00
BHUBANESWAR AIRPORT	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
KANDLA	Q:	124	0.00	0.00	0.00	0.00	0.00	0.00	9	20	0.00	0.00	0.00	0.00
	V:	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.10	0.00	0.00	0.00	0.00
	$:	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00
KARWAR	Q:	0.00	0.00	56	0.00	42	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00
	V:	0.00	0.00	0.62	0.00	1.47	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00
	$:	0.00	0.00	0.11	0.00	0.24	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
NSICT	Q:	0.00	0.00	0.00	0.00	1	2	2	16	0.00	0.00	0.00	3737	25627
	V:	0.00	0.00	0.00	0.00	0.11	0.25	0.29	0.85	0.00	0.00	0.00	162.03	863.80
	$:	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.13	0.00	0.00	0.00	21.98	108.25
KARIMGANJ	Q:	51	19	17	153	56	0.00	119	50	0.00	0.00	0.00	0.00	0.00
	V:	0.14	0.04	0.04	0.32	0.16	0.00	35.25	0.32	0.00	0.00	0.00	0.00	0.00
	$:	0.03	0.01	0.01	0.05	0.03	0.00	5.26	0.05	0.00	0.00	0.00	0.00	0.00
MID SEA	Q:	7600	1963	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V:	52.23	21.68	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	$:	11.44	4.56	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
OKHA	Q:	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.09	0.08	0.00	0.00	0.00	0.00	0.00	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
VISHAKHAPATNAM AIR CARGO	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	461	180
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.14	9.16
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.69	1.18
KOLKATA ACC -Airport	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4544	9129
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	458.39	526.91
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.31	66.19
COCHIN AIR CARGO ACC	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3216	2115
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	126.69	104.17
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.54	13.26
CHENNAI AIR CARGO ACC	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4758	6580
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	230.47	397.55
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.23	50.06
GHOJADANGA LCS	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2027	1468
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.57	12.96
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	1.65
BANBASA LCS	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1053	52
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.33	0.58
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.73	0.07
AGRA ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
ALANG SEA	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	324
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	3.24
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.43
AMINGAON ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
CHETTIPALAYM ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
DARRANGA LCS	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38	45
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	1.34
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
ENNORE	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1015	5618
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.29	380.84
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.46	48.15
GALGALIA	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214	4
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.06
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.01
INDORE ACC	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
JOGBANI	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175	55
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.67
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.08
KAMARAJAR PORT	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23737	29431
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1644.70	1920.66
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	222.37	245.07
LCS JAIGAON	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1109	1480
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.24	29.32
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.16	3.60
MARRIPALAM ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	369	722
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.97	34.72
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	4.33
OLD MUNDRA PORT	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
PANITANKI	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
PANITANKI-NAXALBARI	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88	184
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.79
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.10
PETRAPOLE	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6532	15773
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.60	46.85
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.33	5.86
RAXAUL	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115	431
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.06	4.48
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.57
SONAULI LCS	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160	52
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.73
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.09
SUTARKANDI LCS	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117	172
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.30
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.17
TONDIAPET ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	10
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.03
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
TUGLAKABAD ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
BANGALORE ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	561	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.51	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00
HYDERABAD ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36	66
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	4.01
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.51

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
MANGALORE AIR CARGO	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
MUMBAI CUSTOM HOUSE SEA	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	25
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.39
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.05
TUTICORIN ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	43
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.31
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.16
VIZIANAGARAM	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	275	0.00
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.59	0.00
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.00
AHEMDABAD ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
BALASORE Concor ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
COCHIN SPECIAL ECONOMIC ZONE - SEZ CARGO	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3125
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.78
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.17
CONCOR ICD JHARSUGUDA	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
DHARMATAR PORT MUMBAI	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
IRUGUR ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Ports		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
KOLLAM PORT SEA	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.73
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47
MANGALORE SEZ	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29609
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	585.76
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.21
NAVLAKHI PORT	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
THAR DRY PORT ICD/ AHMEDABAD GUJARAT ICD	Q:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25
	V:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
	$:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
TOTAL	**Q:**	**813091**	**862021**	**928215**	**983756**	**1051243**	**945892**	**1134948**	**1377244**	**1392559**	**1289651**	**1149510**	**1369264**	**1735286**
	V:	**12901.47**	**16597.23**	**18856.26**	**30213.26**	**33441.61**	**30420.83**	**37870.90**	**45106.89**	**46589.37**	**46662.85**	**43720.98**	**57586.48**	**63969.14**
	$:	**2856.92**	**3508.45**	**3511.67**	**5007.70**	**5511.12**	**4687.94**	**5777.61**	**7081.55**	**6728.50**	**6678.69**	**5956.93**	**7759.58**	**8094.31**

*since 2021-22 MPEDA segregated ICD, SEZ, LCS, Air port data as per CBIC for better data facilitation hence these ports may show zero export till 2020-21

Q: Quantity in M T, V: Value in Rs. Crore, $: US Dollar Million

Source: Marine Products Export Development Authority, Kochi



Chapter

6

Fishermen Population







Fishermen Population

Fishermen population (2019-20)

Table 6.1(a): Fishermen Population 2019-20

State/UTs	Number of Districts	Fishermen Population	Whole Population	Fishermen Population per District
Andhra Pradesh	13	1,496,688	53,903,393	115,129
Arunachal Pradesh	25	24,015	1,570,458	961
Assam	33	2,524,106	35,607,039	76,488
Bihar	38	6,027,375	124,799,926	158,615
Chhattisgarh	27	220,355	29,436,231	8,161
Goa	2	10,545	1,586,250	5,273
Gujarat	33	558,691	63,872,399	16,930
Haryana	22	118,455	28,204,692	5,384
Himachal Pradesh	12	11,806	7,451,955	984
Jharkhand	24	140,897	38,593,948	5,870
Karnataka	30	974,277	61,095,027	32,476
Kerala	14	1,044,361	35,699,443	74,597
Madhya Pradesh	52	2,232,822	85,358,964	42,939
Maharashtra	36	1,518,228	123,144,223	42,173
Manipur	16	47,711	3,091,545	2,982
Meghalaya	11	16,567	3,366,710	1,506
Mizoram	11	6,289	1,239,244	572
Nagaland	11	7,958	2,249,695	723
Odisha	30	1,517,574	46,356,334	50,586
Punjab	22	7,591	30,141,373	345
Rajasthan	33	57,260	81,032,689	1,735
Sikkim	4	581	690,251	145
Tamil Nadu	37	1,283,751	77,841,267	34,696
Telangana	33	862,221	39,362,732	26,128
Tripura	8	7,761	4,169,794	970
Uttarakhand	13	8,352	11,250,858	642
Uttar Pradesh	75	3,900,005	237,882,725	52,000
West Bengal	23	3,236,261	99,609,303	140,707

State/UTs	Number of Districts	Fishermen Population	Whole Population	Fishermen Population per District
A and N Islands	3	25,941	417,036	8,647
Chandigarh	1	524	1,158,473	524
D & Nagar Haveli, Daman and Diu	3	40,106	615,724	13,339
Delhi	11	3,346	18,710,922	304
Jammu & Kashmir	22	17,396	13,606,320	791
Ladakh	2	22	289,023	11
Lakshadweep	1	6,518	73,183	6,518
Puducherry	4	107,272	1,413,542	26,818
India	**735**	**28,063,538**	**1,364,892,691**	**956,669**

Source : Department of Fisheries, State Government\UT Administration

Overall fishermen population details for Marine and Inland (2019-20)

Table 6.1(b) Overall fishermen population details for Marine & Inland (2019-20)

Particulars	Male	Female	Total
Inland (2020-2021)	13013978	10103842	**23117820**
Marine (2020-2021)	2651652	2294066	**4945718**
All India (2020-2021)	15665630	12397908	**28063538**

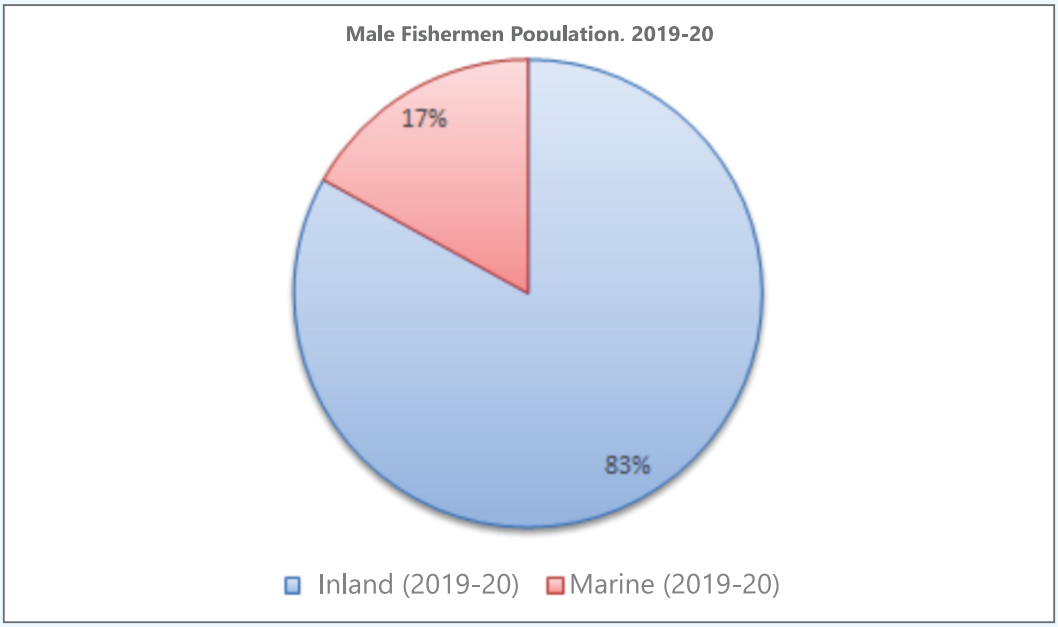


Figure 22: Male Fishermen Population, 2019-20

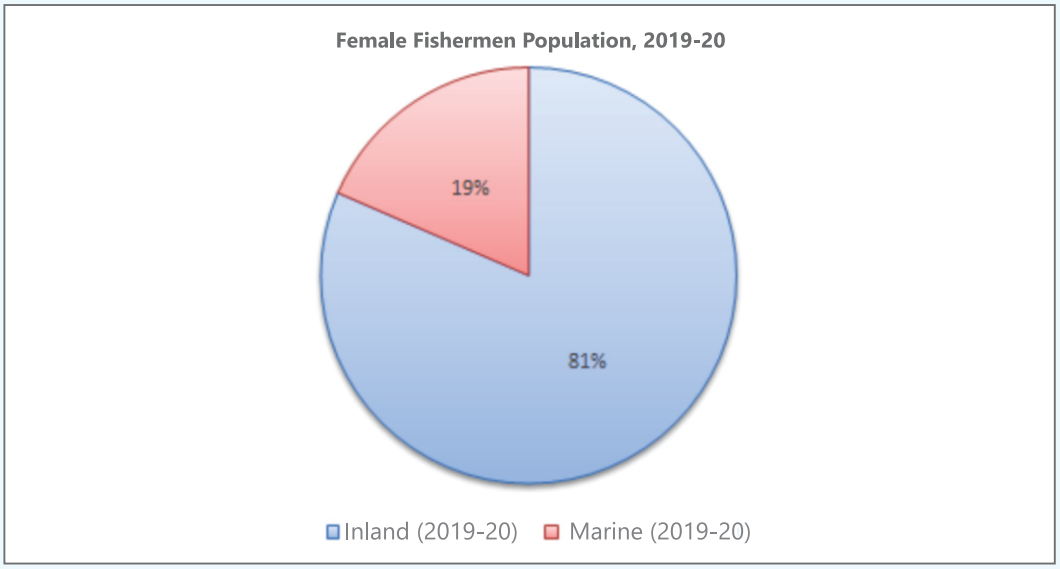


Figure 23: Female Fishermen Population, 2019-20

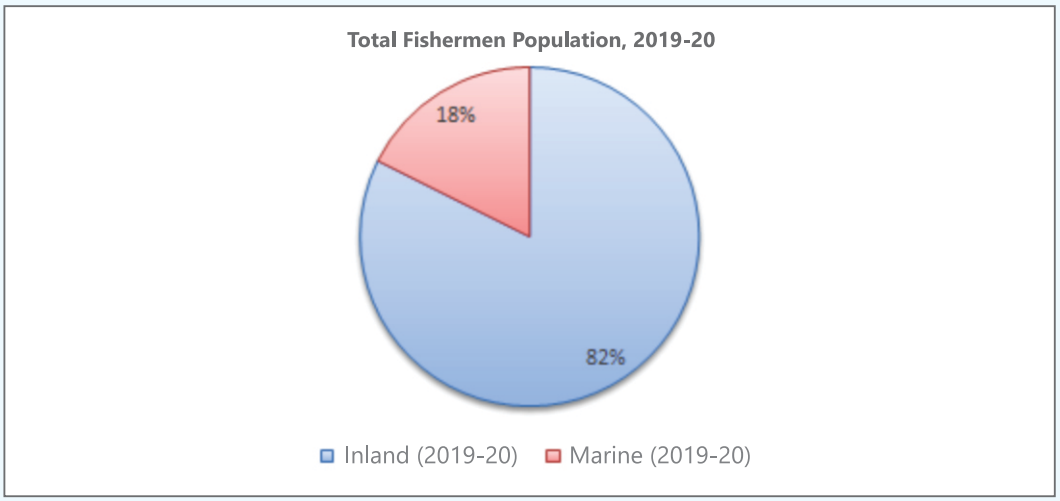


Figure 24: Total Fishermen Population, 2019-20

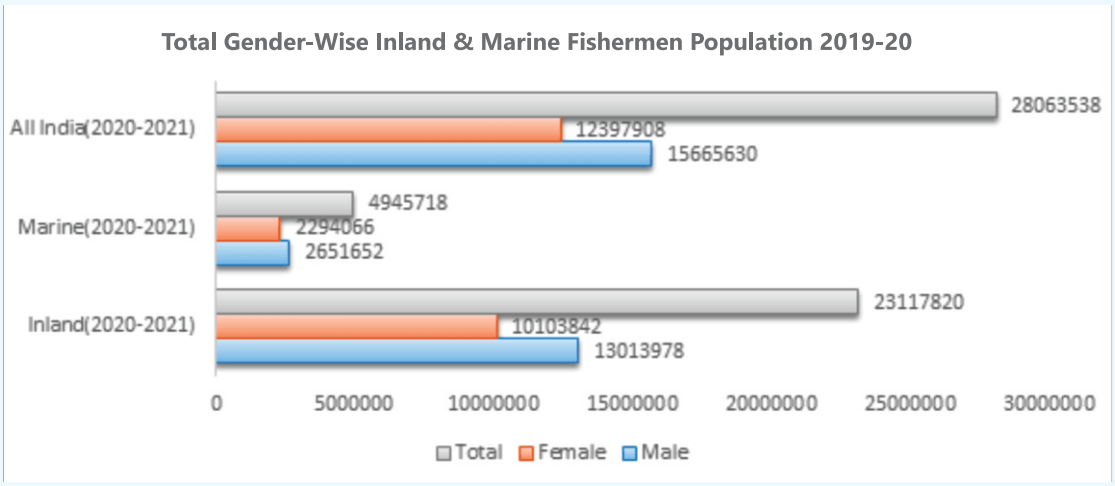


Figure 25: Total Gender-wise Inland and Marine Fishermen Population, 2019-20

Gender-wise detailed fishermen population details (2019-20)

Table 6.2: Gender-wise Fishermen Population: 2019-20

State/UTs	Inland Fishermen Population		Marine Fishermen Population	
	Male	Female	Male	Female
Andhra Pradesh	333,558	288,293	461,712	413,125
Arunachal Pradesh	15,147	8,868	NA	NA
Assam	1,624,059	900,047	NA	NA
Bihar	3,127,733	2,899,642	NA	NA
Chhattisgarh	146,971	73,384	NA	NA
Goa	NA	NA	5273	5272
Gujarat	120,900	110,085	167,858	159,848
Haryana	117,934	521	NA	NA
Himachal Pradesh	10,739	1067	NA	NA
Jharkhand	94,497	46,400	NA	NA
Karnataka	465,352	180,924	196970	131031
Kerala	122,377	117,819	431,447	372,718
Madhya Pradesh	1,232,957	999,865	NA	NA
Maharashtra	602,536	529,433	197,760	188,499
Manipur	3,278	44,433	NA	NA
Meghalaya	11,745	4,822	NA	NA
Mizoram	5,328	961	NA	NA
Nagaland	5,896	2,062	NA	NA
Odisha	549,806	371,613	314,069	282,086
Punjab	7018	573	NA	NA
Rajasthan	31,880	25380	NA	NA
Sikkim	488	93	NA	NA
Tamil Nadu	125,694	110,220	535,337	512,500
Telangana	483,094	379,127	NA	NA
Tripura	7,718	43	NA	NA
Uttarakhand	7,260	1,092	NA	NA
Uttar Pradesh	2,101,383	1,798,622	NA	NA
West Bengal	1,629,481	1,204,093	246,225	156,462
A and N Islands	2,807	946	12,024	10,164
Chandigarh	524	NA	NA	NA
D & Nagar Haveli and Daman & Diu	NA	NA	20,529	19487
Delhi	3,316	30	NA	NA
Jammu & Kashmir	17,396	NA	NA	NA
Ladakh	22	17	NA	NA
Lakshadweep	NA	NA	5138	1380
Puducherry	5,084	3,384	57,310	41,494
All India	**13,013,978**	**10,103,859**	**2,651,652**	**2,294,066**

Source: Department of Fisheries, State Government\UT Administration
NA: Not Available

Table 6.3: Number of fishermen population engaged in Marine fisheries activities, 2019-20

States/UTs	Full Time		Part Time		Occasional		Unspecified		Deep Sea	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
A and N Islands	23,629	239	2043	610	0	0	0	0	0	0
Gujarat	71,777	36,840	19,348	12,362	0	0	0	0	0	0
Karnataka	57,440	43,460	56,155	40,059	6,033	3,721	57,710	45,102	21,602	0
Kerala	324,579	280,374	0	0	0	0	0	0	0	0
Maharashtra	89375	45495	32713	47527	6140	8196	5234	1127	23008	0
Tamil Nadu	200,268	-	65,389	201,084	41,748	10,633	37,087	49,015	19,500	-
Daman and Diu	5,093	0	68	0	52	0	0	0	0	0
Lakshadweep	2620	481	2518	899	0	0	0	0	0	0
Puducherry	25,024	12,153	6,359	4,396	1000	800	2,581	10,257	25	0
All India	**1,218,847**		**491,530**		**78,323**		**208,113**		**64,135**	

Source: Department of Fisheries, State Government\UT Administration
-: NA

Table 6.4: Number of fishermen population engaged in Inland fisheries activities, 2019-20

States/UTs	Full Time		Part Time		Occasional		Unspecified	
	Male	Female	Male	Female	Male	Female	Male	Female
Arunachal Pradesh	0	0	15,347	8,918	NA	NA	NA	NA
Assam	65,693	60,628	281,107	259,530	15,357	13,979	NA	NA
Bihar	39,067	17,734	66,404	22,890	49,380	22,164	1,984,507	1,885,950
Chhattisgarh	159,406	25,340	11,897	5,806	7,028	2,911	5,960	2,952
Gujarat	35,118	15,413	22,569	4,843	NA	NA	NA	NA
Haryana	2,349	2,348	2,790	2789	900	900	2100	2100
Himachal Pradesh	5,574	NA	6,301	NA	NA	NA	NA	NA
Jharkhand	14,500	3,200	34,450	12,800	35,700	16,200	21,400	18,700
Karnataka	108,656	38,462	202,460	83,229	143,090	59,665	15,800	1,378
Kerala	93,699	90,141	NA	NA	NA	NA	NA	NA
Madhya Pradesh	72,641	5,333	80,325	18,807	NA	NA	NA	NA
Maharashtra	158,108	44,595	64,610	24,331	28,952	7,487	19,537	2,093
Manipur	2,241	742	4,184	2,175	412	715	615	1,553
Meghalaya	1,925	710	3,775	2,638	5,480	1,461	401	57
Mizoram	1,358	251	2,358	458	1,012	100	600	152
Nagaland	176	79	197	340	2122	651	2122	915
Odisha	165,270	58,994	140,217	57,040	124,373	3,441	139,457	111,183
Punjab	NA	NA	NA	NA	NA	NA	NA	NA
Rajasthan	6,265	0	14,128	NA	920	NA	NA	NA
Sikkim	2500	127	NA	NA	N. A	NA	NA	NA
Tamil Nadu	0	0	62,825	7,883	3,752	5,251	7,109	22,084
Telangana	290,327	110945	183272	82106	185497	75063	40918	32818
Tripura	3727	524	4289	604	592	83	NA	NA
Uttarakhand	1,898	442	5,738	1226	1,171	82	398	69
Uttar Pradesh	102,316	18,055	38,000	NA	NA	NA	NA	NA
Chandigarh	5	5	NA	NA	NA	NA	NA	NA
Daman and Diu	405	391	292	672	142	278	NA	NA
Delhi	277	N. A	489	NA	115	NA	NA	NA
Jammu & Kashmir	16,286	N. A	880	NA	N. A	NA	230	NA
Puducherry	1530	510	510	204	250	100	100	50
All India	**1,351,316**	**494,969**	**1,249,414**	**599,289**	**606,245**	**210,531**	**2,241,254**	**2,082,054**

Source: Department of Fisheries, State Government\UT Administration

NA: Not Available

Chapter

7

Fisheries Resources







Fisheries Resources

Table: 7.1 Marine Fisheries Resources – Coastal States and Union Territories of India

States	Coastal Length (Km)	Landing Centres	Fishing Villages
Andaman & Nicobar	1912	51	169
Andhra Pradesh	974	350	555
D & Nagar Haveli and Daman and Diu	27	8	12
Goa	104	32	60
Gujarat	1600	107	260
Karnataka	300	115	162
Kerala	590	174	220
Lakshadweep	132	20	10
Maharashtra	720	173	456
Orissa	480	55	739
Pondicherry	45	22	39
Tamil Nadu	1076	301	608
West Bengal	158	49	171
Total	8118	1457	3461

Note: The data given in table as per the States/UTs Government

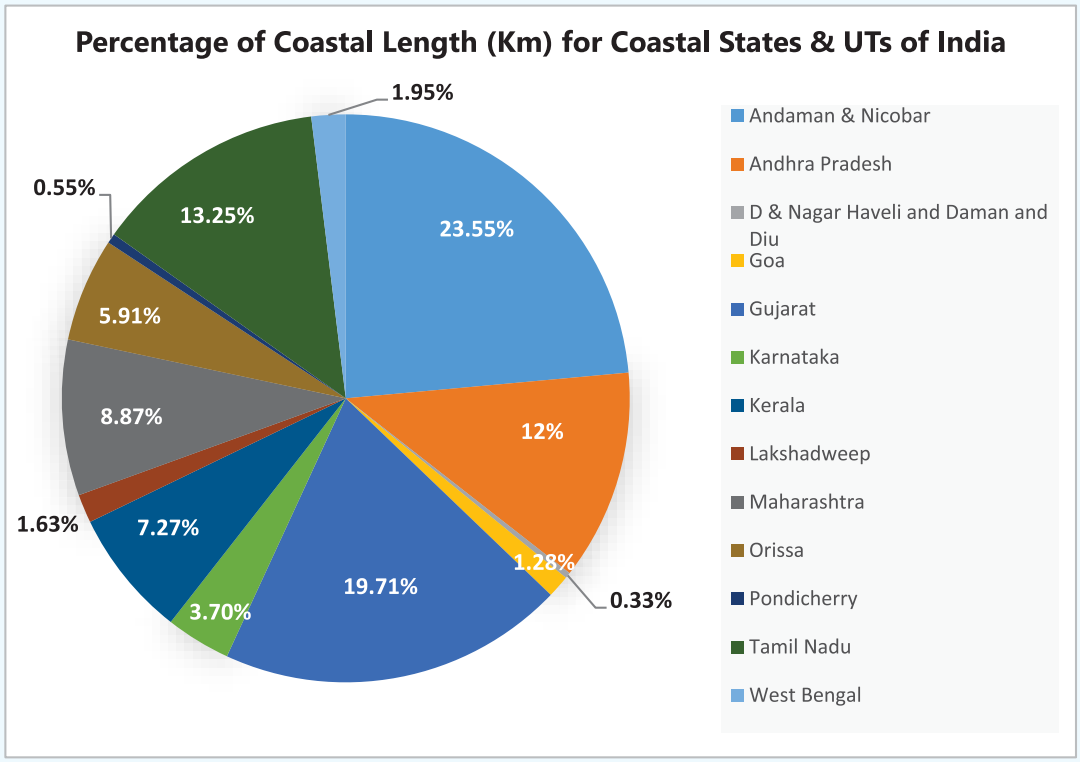


Figure 26: Percentage of Coastal length (Km) for Coastal States and Union Territories of India

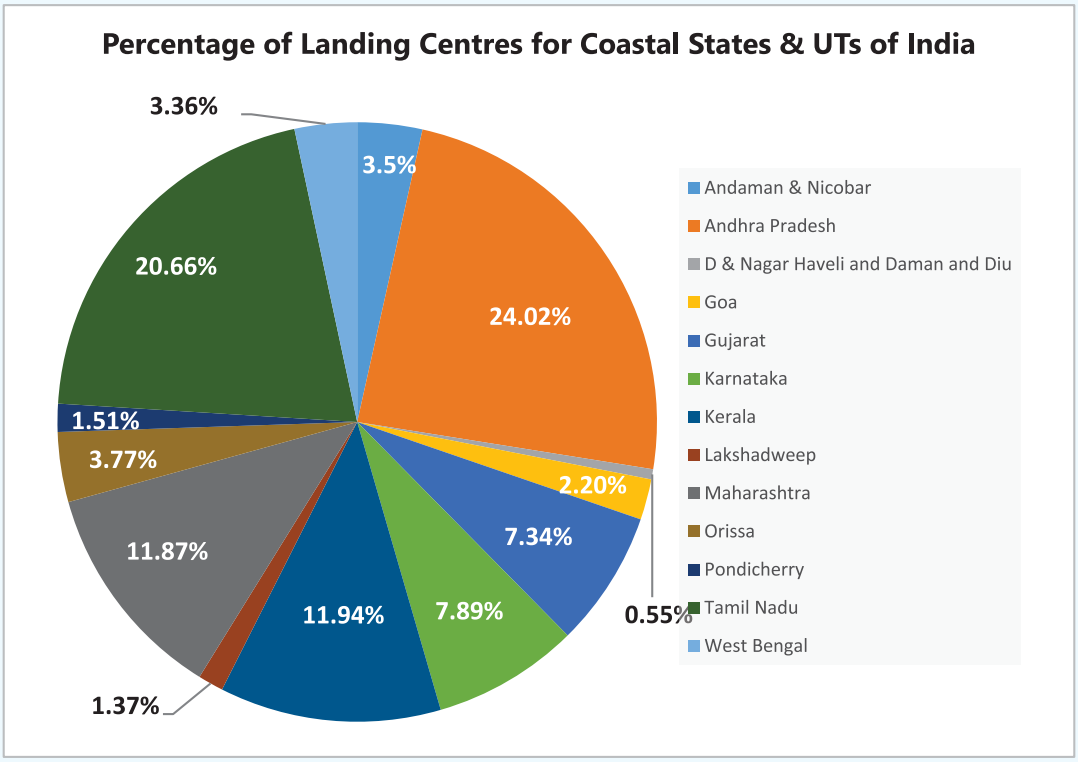


Figure 27: Percentage of Landing Centres for Coastal States and Union Territories of India

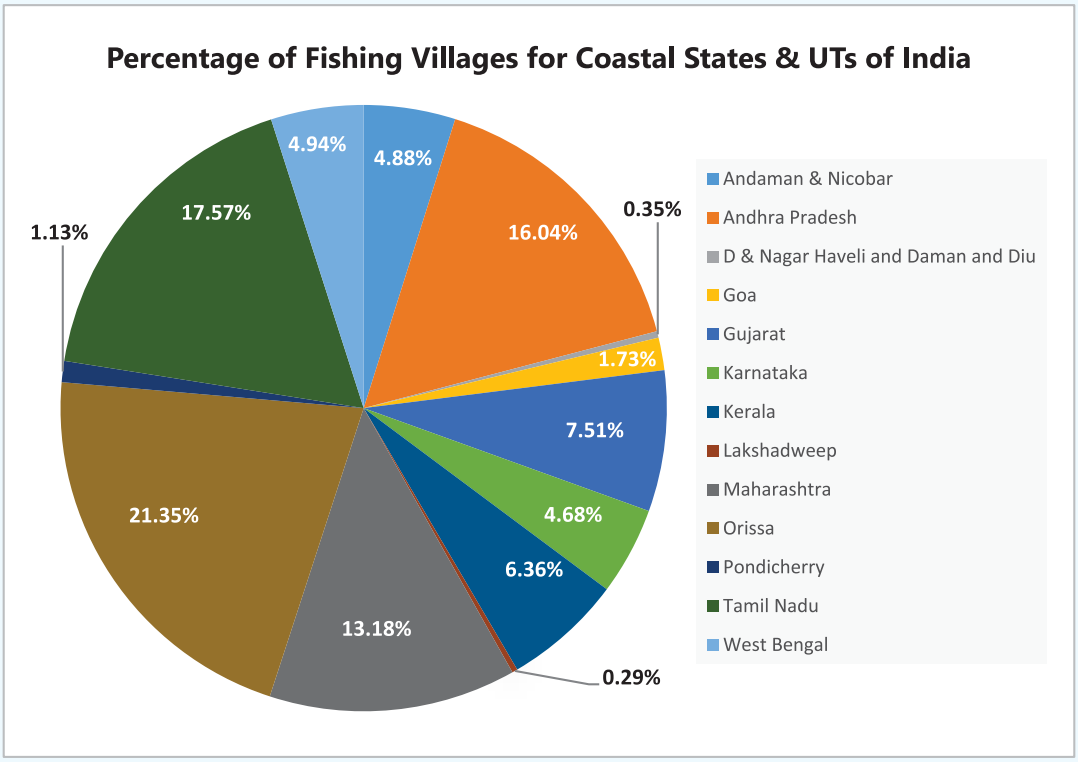


Figure 28: Percentage of Fishing Villages for Coastal States and Union Territories of India

Fisheries Resources

State-wise Inland Fisheries Resources (2021-22)

Table 7.2(a) : State-wise details of Inland water Resource for the Year 2021-22

SN	States	Rivers and Canals (Km)	Raceways		Small Reservoirs		Medium & Large Reservoir		Tanks & Ponds (Ha)	Brackish Water (Ha)	Saline/Alkaline (Ha)	Beels/Oxbow Lakes/Derelict Water (Ha)	Other than rivers and canals (Ha)
			Number	Area (ha)	Number	Area (ha)	Number	Area (ha)					
1	Andhra Pradesh	11514	0	0	90	34693	26	130698	347888	56215	0	0	0
2	Arunachal Pradesh	10309	369	1.845	1	164	0	0	29087	0	0	1382.7	57894.8
3	Assam	10607.29	0	0	0	0	2	1863	85067.51	0	0	69719.2	404516.98
4	Bihar	21354	0	0	0	0	48	64466	114775.8	0	0	0	0
5	Chhattisgarh	3573	0	0	1757	43565	13	39035	117300	0	0	0	0
6	Goa	578.5	0	0	4	484	1	2964	101	198.86	0	0	0
7	Gujarat	3865	0	0	686	22427	227	203679	22000	187000	0	0	0
8	Haryana	7197	0	0	8	141.8	0	0	18458.2	0	500	0	0
9	Himachal Pradesh	3000	0	0	0	0	5	43785	873.82	0	0	0	0
10	Jammu & Kashmir	26211	1236	39.7	6	4230	2	6000	1661	0	0	0	21396
11	Jharkhand	1800	0	0	412	28789.6	23	104363	86539	0	0	0	19936
12	Karnataka	9630	0	0	34	7595	49	265063	313304	8000	0	0	0
13	Kerala	3220	0	0	37	10491	10	23714	27625	65213	0	0	0
14	Madhya Pradesh	17088	0	0	3372	129470	27	230703	78580	0	0	0	0
15	Maharashtra	20065	40	1857	2415	131366.72	81	128535	80190.3	12024.8	0	0	5560
16	Manipur	1647	0	0	5	960	1	1182	11892.8	0	0	29161	0
17	Meghalaya	4776.76	0	0	7	717.53	0	0	4537.87	0	0	297.91	302.54
18	Mizoram	1750	0	0	3	10	2	8000	5494.7	0	0	10	0
19	Nagaland	1600	0	0	0	0	1	2258	3570	0	0	1110	0
20	Odisha	24878.73	0	0	603	34608	8	165771	153210	32587	0	180000	0
21	Punjab	868	0	0	12	686.75	0	0	17476.2	0	334	0	0
22	Rajasthan	30000	0	0	2388	145823	48	254475	30266	50	0	0	0
23	Sikkim	3200	2772	18.39	9	200.56	0	0	0	0	0	0	0
24	Tamil Nadu	0	0	0	0	0	0	62015	218691.13	56000	6228.23	7000	35283.84

SN	States	Rivers and Canals (Km)	Raceways		Small Reservoirs		Medium & Large Reservoir		Tanks & Ponds (Ha)	Brackish Water (Ha)	Saline/Alkaline (Ha)	Beels/Oxbow Lakes/Derelict Water (Ha)	Other than rivers and canals (Ha)
			Number	Area (ha)	Number	Area (ha)	Number	Area (ha)					
25	Telengana	2156	0	0	51	24302	40	184581	521581	0	0	0	0
26	Tripura	1080	0	0	0	0	1	3049.3	29913.2	0	0	0	0
27	Uttarakhand	2686	724	3.62	0	0	7	20587	890.89	0	0	0	50
28	Uttar Pradesh	70000	0	0	0	3223		144693	145808.68		4673.8	34935.1	1458000
29	West Bengal	13259	0	0	8	245	31	14077	288385	91130	0	42081	150000
30	A and N Islands	0	0	0	0	0	0	0	202.265	618.806	0	0	0
31	Chandigarh	0	0	0	0	0	3	300	2.06	0	0	0	0
32	D&Nagar Haveli and Daman and Diu	6	0	0	0	0	0	0	0	0	0	0	0
33	Ladakh	4570	90	2.2	1	1.5	1	250	7.52	97700	0	0	0
34	Delhi	50	0	0	0	0	0	0	10	0	4	0	0
35	Lakshadweep	0	0	0	0	0	0	0	184	0	0	0	0
36	Puducherry	395.42	0	0	0	0	1357.12	0	468.39	82.49	0	0	0
	All India	**312934.7**	**5231.00**	**1922.76**	**11909.00**	**624194.46**	**2014.12**	**2106106.30**	**2756042.34**	**606819.96**	**11740.03**	**365696.91**	**2152940.16**

Source : Department of Fisheries, State Government\UT Administration

State-wise Inland Fisheries Resources (2022-23)

Table 7.2(b) : State-wise details of Inland Fisheries Resource for the Year 2022-23

S.No.	States	Rivers and Canals (Km)	Raceways		Small Reservoirs		Medium & Large Reservoir		Tanks & Ponds (Ha)	Brackish Water (Ha)	Saline/Alkaline (Ha)	Beels/Oxbow Lakes/Derelict Water (Ha)	Other than rivers and canals (Ha)
			Number	Area (ha)	Number	Area (ha)	Number	Area (ha)					
1	Andhra Pradesh	11514	0	0	90	34693	26	130698	347888	56215	0	0	0
2	Arunachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
3	Assam	11304.48	0	0	4	3096	0	0	94693.47	0	0	71843.5	259369
4	Bihar	21354	0	0	0	0	48	64466	122418.96	0	0	0	0
5	Chhattisgarh	3573	0	0	1757	43565	13	39035	120100	0	0	0	0
6	Goa	578.5	0	0	4	484	1	2964	101	198.86	0	0	0
7	Gujarat	3865	0	0	686	22427	227	203679	22000	187000	0	0	0
8	Haryana	7197	0	0	14	645	0	0	16174	0	1188	0	0
9	Himachal Pradesh	3000	0	0	0	0	5	43785	878.4	0	0	0	0
10	Jammu & Kashmir	26211	1404	43.9	6	4230	2	6000	1701	0	0	0	21396
11	Jharkhand	1800	0	0	412	28789.6	23	104363	86539	0	0	0	19936
12	Karnataka	9630	0	0	34	7595	49	265063	313304	8000	0	0	0
13	Kerala	3220	0	0	37	10491	10	23714	27625	65213	0	0	0
14	Madhya Pradesh	17088	0	0	3385	13034	27	230703	79312	0	0	0	0
15	Maharashtra	20065	40	1857	2415	131366.72	81	128535	80190.3	12024.8	0	0	5560
16	Manipur	1647	0	0	5	960	1	1182	11894.8	0	0	29161	0
17	Meghalaya	4757.76	0	0	7	717.53	0	0	4690.94	0	0	303.11	302.54
18	Mizoram	1750	0	0	3	10	2	8000	5759.1	0	0	10	0
19	Nagaland	1600	0	0	0	0	1	2258	3623	0	0	1110	0
20	Odisha	24877.75	0	0	603	34608	8	165771	154808	32587	0	180000	0
21	Punjab	868	0	0	12	686.75	0	0	16812.5	0	485	0	0
22	Rajasthan	30000	0	0	2388	145823	48	254475	30266	50	0	0	0
23	Sikkim	3200	2972	19.071	9	200.56	0	0	0	0	0	0	0
24	Tamil Nadu	0	0	0	0	0	0	62015	218691.13	56000	6228.23	7000	35283.84
25	Telengana	3492	0	0	53	27017	39	0	520302	0	0	0	0

S.No.	States	Rivers and Canals (Km)	Raceways		Small Reservoirs		Medium & Large Reservoir		Tanks & Ponds (Ha)	Brackish Water (Ha)	Saline/Alkaline (Ha)	Beels/Oxbow Lakes/Derelict Water (Ha)	Other than rivers and canals (Ha)
			Number	Area (ha)	Number	Area (ha)	Number	Area (ha)					
26	Tripura	1080	0	0	0	0	1	3049.35	30171.4	0	0	0	0
27	Uttarakhand	2686	1026	5.13	0	0	7	20587	916.14	0	0	0	50
28	Uttar Pradesh	70000			0	3223	0	144693	145808.68	0	4673.8	34935.1	1458000
29	West Bengal	13259	0	0	8	245	31	14077	288385	91130	0	42081	150000
30	A and N Islands	0	0	0	0	0	0	0	195.4	618.806	0	0	0
31	Chandigarh	0	0	0	0	0	3	300	2.06	0	0	0	0
32	D&Nagar Haveli and Daman and Diu	0	0	0	0	0	0	0	0	0	0	0	0
33	Ladakh	4570	125	2.73	1	1.5	1	250	7.52	97700	0	0	0
34	Delhi	50	0	0	0	0	0	0	10	0	4	0	0
35	Lakshadweep	0	0	0	0	0	0	0	184	0	0	0	0
36	Puducherry	395.42	0	0	0	0	1357.12	0	473.09	82.49	0	0	0
	All India	**304632.9**	**5567**	**1927.831**	**11933**	**513908.66**	**2011.12**	**1919662.35**	**2745925.89**	**606819.956**	**12579.03**	**366443.71**	**1949897.38**

Source : Department of Fisheries, State Government\UT Administration

Chapter

8

Expenditure on Fisheries Sector



Expenditure on Fisheries Sector

Approved outlay and expenditure for fisheries development

Table 8.1: Year-wise approved outlay and Expenditure for development of fisheries Under PMMSY

(Rs. in Crore)

S.No.	Year	Approved outlay	Budget Estimate	Revised Budget Estimate	Expenditure
1	2020-21	691.00	560.00	700.00	699.72
2	2021-22	2118.00	1000.00	1200.00	1169.19
3	2022-23	1879.00	1879.00	1410.00	1169.91
	Total	**4688.00**	**3439.00**	**3310.00**	**3038.82**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying

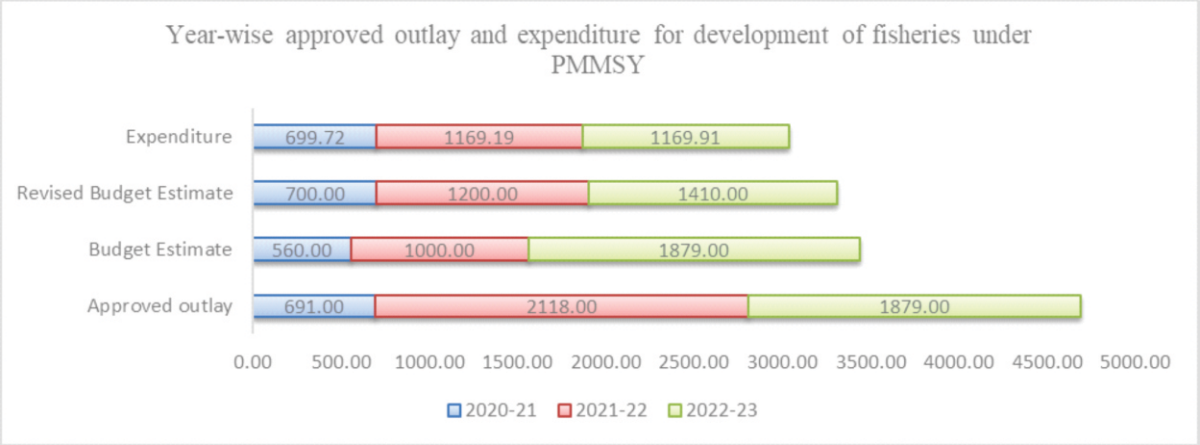


Figure 29: Year-wise approved outlay and expenditure for development of fisheries under PMMSY

State-wise release in Fisheries Sector

Table 8.2: States/UTs/Fisheries Institute wise release in Fisheries Sector during 2015-16 to 2020-21 and 2020-21 to 2022-23(PMMSY)(Rs. In Lakh)

		Blue Revolution						PMMSY			
S. N	State/UT/Institutes	2015-16	2016-17	2017-18	2018-19	2019-20	Total	2020-21	2021-22	2022-23	Total Under PMMSY
1	A & N Islands	275.00	54.00	179.89	129.09	51.21	689.19	200.00	509.30	0.00	1398.49
2	Andhra Pradesh	777.15	1897.00	2162.88	1302.31	2556.20	8695.54	5554.12	13105.85	15537.97	27355.51
3	Arunachal Pradesh	81.30	0.00	222.90	374.68	24.77	703.65	790.61	493.94	3178.47	1988.20
4	Assam	971.14	1641.45	799.66	524.14	280.01	4216.40	2676.56	5130.06	2654.18	12023.02
5	Bihar	93.84	1948.04	2.25	4078.69	1557.15	7679.97	2932.12	1308.15	0.00	11920.24
6	Chhattisgarh	446.51	1346.69	1091.92	1045.69	3293.90	7224.71	3606.74	3296.56	3510.98	14128.01
7	Daman & Diu	21.77	0.00	226.69	0.00	0.00	248.46	178.90	7.20	0.00	434.56
8	Delhi	0.00	0.00	136.29	0.00	0.00	136.29	144.30	19.00	0.00	299.59
9	Goa	70.82	1000.00	265.24	63.82	0.00	1399.88	596.74	1645.85	1059.00	3642.47
10	Gujarat	491.43	386.50	1527.43	1420.80	1000.00	4826.16	893.70	5729.85	0.00	11449.71
11	Haryana	194.95	1122.05	779.36	605.90	696.47	3398.73	953.94	1620.03	3577.76	5972.70
12	Himachal Pradesh	181.57	1082.32	572.26	1046.13	629.14	3511.42	1467.28	345.15	1126.96	5323.85
13	Jammu & Kashmir	213.23	1111.18	404.69	439.54	788.63	2957.27	4207.20	1493.22	1475.36	8657.69
14	Jharkhand	589.12	2300.20	75.00	925.40	0.00	3889.72	1618.56	1507.15	2544.06	7015.43
15	Karnataka	2352.58	2870.54	3324.31	5847.28	2330.61	16725.32	6235.30	9927.68	6629.63	32888.30
16	Kerala	6713.78	1298.10	812.34	5093.01	9357.15	23274.38	800.00	7810.95	15316.38	31885.33
17	Lakshadweep	42.25	0.00	53.57	39.90	29.30	165.02	1344.12	98.80	0.00	1607.94
18	Madhya Pradesh	346.09	1400.00	672.02	711.39	1859.47	4988.97	2379.16	5587.64	3339.85	12955.77
19	Maharashtra	1263.62	2051.53	2256.81	2861.17	1000.00	9433.13	3657.42	4042.99	10289.93	17133.54
20	Manipur	590.22	0.00	456.15	382.13	50.68	1479.18	1097.97	846.66	0.00	3423.81
21	Meghalaya	36.10	1003.17	139.60	2598.95	2387.45	6165.27	790.65	765.69	659.07	7721.61
22	Mizoram	1016.49	1376.77	261.39	403.75	735.99	3794.39	986.77	1567.01	694.93	6348.17
23	Nagaland	867.92	965.84	219.40	194.67	2396.17	4644.00	807.07	1355.67	1235.52	6806.74
24	Odisha	1256.93	2593.59	1077.68	1022.13	543.68	6494.01	3995.82	7914.47	7494.60	18404.30
25	Pondicherry	859.95	999.95	150.00	1448.00	461.37	3919.27	990.50	1349.45	3386.56	6259.22
26	Punjab	42.59	999.00	465.36	581.34	2063.76	4152.05	567.84	0.00	676.94	4719.89
27	Rajasthan	34.21	262.10	83.28	70.20	266.20	715.99	210.82	175.65	0.00	1102.46
28	Sikkim	26.94	379.16	0.00	416.52	1019.65	1842.27	313.20	242.01	679.12	2397.48
29	Tamil Nadu	5700.73	2492.50	11342.80	7155.91	1801.00	28492.94	1938.61	3036.35	0.00	33467.90
30	Telangana	165.94	1465.00	479.78	1574.80	154.00	3839.52	779.34	4433.73	0.00	9052.59
31	Tripura	361.96	867.88	341.92	2004.18	788.91	4364.85	737.01	1965.00	1061.19	7066.86
32	Uttar Pradesh	672.63	1760.85	238.14	3050.06	3816.63	9538.31	7009.62	7746.14	3786.17	24294.07
33	Uttarakhand	48.85	954.95	746.16	471.08	683.67	2904.71	912.61	1937.45	2565.31	5754.77
34	West Bengal	925.84	774.38	649.32	185.40	0.00	2534.94	0.00	0.00	5076.12	2534.94
35	Ladakh	NA	NA	NA	NA	NA	NA	37.50	120.30	218.55	157.80
36	NFDB	5339.99	3239.03	1399.00	10162.00	8075.00	28215.02	3225.00	1800.00	1300.00	33240.02
37	Fisheries Institutes	5439.75	165.44	8324.14	8944.39	12522.17	35395.89	12108.94	11294.82	14406.59	58799.65
38	Others	3167.75	601.97	138.35	377.92	806.5	5092.49	3078.27	6106	3831.16	14276.76
39	CS Proposals	NA	NA	NA	NA	NA	NA	8560.45	19779.04	19270.67	28339.49
	Total	**41680.94**	**42411.18**	**42077.97**	**67552.37**	**64026.84**	**257749.29**	**88384.76**	**136114.81**	**136583.03**	**361082.60**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
NA: Not Available

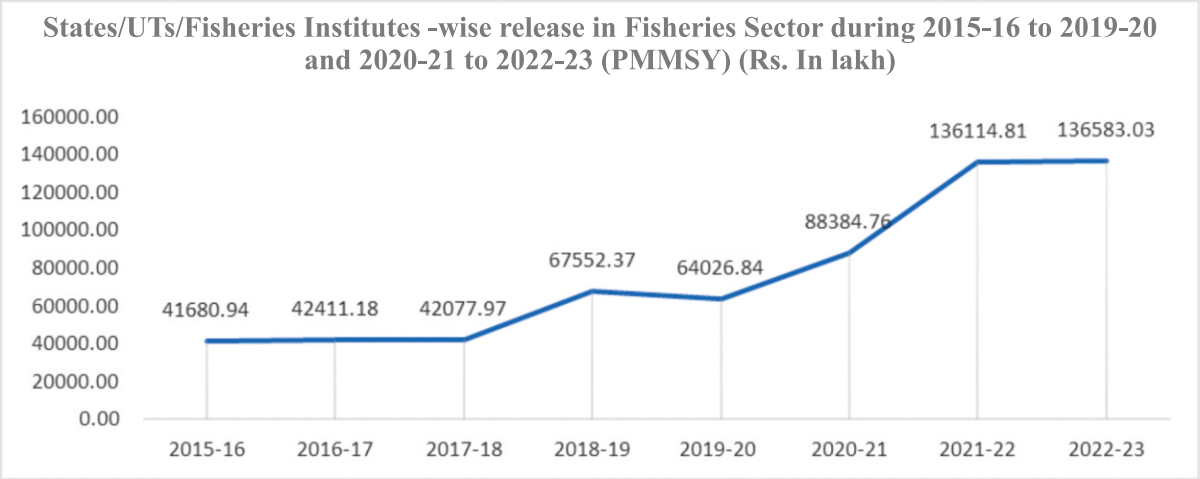


Figure 30: States/UTs -wise release in Fisheries Sector during 2015-16 to 2019-20 and 2020-21 to 2022-23 (PMMSY) (Rs. In lakh)

Year-wise total fund released for development of fisheries sector

Table 8.3: Year-wise total fund released for Development of Fisheries Sector (Rs. in Lakhs)

	2016-17			2017-18			2018-19			2019-20			2020-21			2021-22			2022-23		
States/UTs	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**	**State Share Fund released**	**Central Share Fund released**	**Total fund release for development of Fisheries Sector**
Andhra Pradesh	283	1742	2025	3,284.43	2,162.82	5,447.25	402.25	1,302.31	1,704.56	2,360	2,556	4,916.00	3259.00	6888.78	10147.78	15508.25	13105.85	28614.1	99888.4	15537.97	115426.4
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	81.18	374.68	455.86	0.00	24.77	24.77	0.00	0.00	0.00	165.15	493.94	659.09	644.661	3178.47	3823.131
Assam	1,900.92	888.01	2788.93	817.97	3,074.93	3,892.90	157.6	524.14	681.74	0.00	280.01	280.01	250.48	2436.89	2687.37	575.08	5130.06	5705.14	999.7	2654.18	3653.88
Bihar	-	1,948.04	1948.04	-	2.25	2.25	0.00	4,078.69	4,078.69	0.00	1,557.15	1,557.15	0.00	2932.12	2932.12	2089.08	1308.15	3397.23	539.728	0.00	539.728
Chhattisgarh	3,099.04	2,230.77	5329.81	4,262.98	2,121.28	6,384.26	1,431.60	1,045.69	2,477.29	905.58	3,292.90	4,198.48	2352.98	3493.03	5846.01	1898.76	3296.56	5195.32	6455.26	3510.98	9966.24
Goa	3,035.06	326.44	3361.5	4,550.32	251.49	4,801.81	0.00	63.82	63.82	0.00	0.00	0.00	10.16	596.76	606.92	1651	1645.85	3296.85	378.97	1059	1437.97
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	689.18	1,420.80	2,109.98	3,680	1000	4,680.00	3192.50	893.70	4086.20	7914.68	5729.85	13644.53	5771.64	0.00	5771.64
Haryana	292	1,122.05	1414.05	357.14	2,862.50	3,219.64	0.00	605.9	605.90	0.00	696.47	696.47	0.00	696.47	696.47	2043.74	1620.03	3663.77	2726.68	3577.76	6304.44
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	203.05	1,046.13	1,249.18	40.84	629.14	669.98	0.00	0.00	0.00	155.29	345.15	500.44	171.7	1126.96	1298.66
Jharkhand	10,451.47	2,304.72	12756.19	9,426.57	1,686.40	11,112.97	200	925.4	1,125.40	1,062.39	0.00	1,062.39	62.40	0.00	62.40	2692.24	1507.15	4199.39	1933.82	2544.06	4477.88
Karnataka	25,372.06	5,348.99	30721.05	30,420.81	4,216	34,636.81	1,035.86	5,847.28	6,883.14	450	2,330.61	2,780.61	2603.23	3543.40	6146.63	4801.83	9927.68	14729.51	8822.89	6629.63	15452.52
Kerala	35,128	5,714	40842	41,578	2,188	43,766.00	3,677.54	5,093.01	8,770.55	3,517.80	9,357.15	12,874.95	3691.30	4204.44	7895.74	4980.3	7810.95	12791.25	17045.13	15316.38	32361.51
Madhya Pradesh	2,743.79	229.55	2973.34	1,752.26	2,114.51	3,866.77	540	711.39	1,251.39	600	1,859.47	2,459.47	0.00	0.00	0.00	3672.17	5587.64	9259.81	3718.79	3339.85	7058.64
Maharashtra	57.5	32.45	89.95	347.94	617.85	965.79	1,641.81	2,861.17	4,502.98	997.102	1000	1,997.10	54.78	76.54	131.32	10706.95	4042.99	14749.94	15087.56	10289.93	25377.49
Manipur	0.00	44	44	65.14	456.14	521.28	83.74	382.13	465.87	0.00	50.68	50.68	0.00	0.00	0.00	63.47	846.66	910.13	238.27	0.00	238.27
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	293	2,598.95	2,891.95	262.65	2,387.45	2,650.10	178.50	2115.00	2293.50	77.46	765.69	843.15	215.47	659.07	874.54
Mizoram	239.87	1,344.05	1583.92	0.00	164.39	164.39	22.62	403.75	426.37	0.00	735.99	735.99	0.00	703.84	703.84	164.47	1567.01	1731.48	141.99	694.93	836.92
Nagaland	102.5	410	512.5	102.5	410	512.50	0.00	194.67	194.67	24.52	2,396.15	2,420.67	24.52	2,396.15	2,420.67	179.35	1355.67	1535.02	165.35	1235.52	1400.87
Odisha	8,092.27	1,472.74	9565.01	8,939.95	1,801.43	10,741.38	1,725.19	1,022.13	2,747.32	471.68	543.68	1,015.36	2787.43	4024.53	6811.96	7912.68	7914.47	15827.15	12372.8	7494.6	19867.4
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	72.68	581.34	654.02	0.00	2,063.76	2,063.76	345.83	512.49	858.32	728.15	0.00	728.15	1077.02	676.94	1753.96

-: NA

States/UTs	2016-17			2017-18			2018-19			2019-20			2020-21			2021-22			2022-23		
	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector	State Share Fund released	Central Share Fund released	Total fund release for development of Fisheries Sector
Rajasthan	0.00	262.1	262.1	137	83.28	220.28	0.00	70.2	70.20	176.17	266.2	442.37	93.51	112.71	206.22	295.18	175.65	470.83	326.08	0.00	326.08
Sikkim	2.3	379.16	381.46	0.00	0.00	0.00	0.00	416.52	416.52	0.00	1,019.65	1,019.65	0.00	0.00	0.00	97.17	242.01	339.18	135.26	679.12	814.38
Tamil Nadu	21,464.17	7,120.47	28584.64	24,675.93	12,010.99	36,686.92	9,638.38	7,155.91	16,794.29	0.00	1,801	1,801.00	0.00	1,801	1,801.00	7285.48	3036.35	10321.83	15922.24	0.00	15922.24
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,574.80	1,574.80	0.00	154	154.00	0.00	154	154.00	1651.67	4433.73	6085.4	2520.84	0.00	2520.84
Tripura	217	867.88	1084.88	37.99	341.92	379.91	42.155	2,004.18	2,046.34	35.3	788.91	824.21	0.00	0.00	0.00	214.98	1965	2179.98	282.15	1061.19	1343.34
Uttar Pradesh	250.4	1,760.85	2011.25	1,224.67		1,224.67	1,080.51	3,050.06	4,130.57	0.00	3,816.63	3,816.63	2297.61	3415.66	5713.27	5780.75	7746.14	13526.89	5354.96	3786.17	9141.13
Uttarakhand	182.13	977.41	1159.54	51.93	746.56	798.49	53.01	471.08	524.09	0.00	683.67	683.67	180.73	1039.26	1219.99	454.67	1937.45	2392.12	686.78	2565.31	3252.09
West Bengal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	185.4	185.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12153.94	5076.12	17230.06
A and N Islands	0.00	54	54	0.00	179.88	179.88	0.00	1,045.69	1,045.69	0.00	51.21	51.21	0.00	241.37	241.37	0.00	0.00	0.00	0.00	0.00	0.00
Daman and Diu D & Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178.90	178.90	0.00	7.2	7.2	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.30	144.30	0.00	19	19	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.3	120.3	0.00	218.55	218.55
Jammu & Kashmir	107	1,163.50	1270.5	90.45	706.46	796.91	0.00	439.54	439.54	60.00	788.63	848.63	120.00	4207.20	4327.20	0.00	1493.22	1493.22	0.00	1475.36	1475.36
Lakshadweep	650		650	559	53.56	612.56	0.00	39.89	39.89	0.00	29.3	29.30	0.00	1361.00	1361.00	0.00	98.8	98.8	0.00	0.00	0.00
Puducherry	0.00	29.75	29.75	0.00	0.00	0.00	0.00	1448	1,448.00	0.00	461.37	461.37	0.00	990.50	990.50	0.00	1349.45	1349.45	0.00	3386.56	3386.56
All India	**113,670.48**	**37,772.93**	**151,443.41**	**132,682.98**	**38,252.64**	**170,935.62**	**23,071.35**	**48,984.65**	**72,056.00**	**14,644.03**	**42,621.95**	**57,265.98**	**21504.96**	**49160.03**	**70665.00**	**83760**	**96625.65**	**180385.7**	**215778.1**	**97774.61**	**313552.7**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying



Chapter

9

Fisheries Welfare



Fisheries Welfare

Livelihood and Nutritional Support to Traditional Fishermen

Table 9.1: Livelihood and nutritional support for socio-economically backward active traditional fishers' families for conservation of fisheries resources during fishing ban/lean period (In Rs. Lakhs)

SNo	Name of the States	2020-21			2021-22			2022-23			Total of (2020-2023)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	0.00	0.00	0.00	1000	45	30	0.00	0.00	0.00	1000	45	30
2	Andhra Pradesh	0.00	0.00	0.00	98360	4426.2	1475.4	98360	4426.2	1475.4	196720	8852.4	2950.8
3	Assam	20000	900	480	21000	945	504	21000	945	504	62000	2790	1488
4	Bihar	0.00	0.00	0.00	50000	2250	750	0.00	0.00	0.00	50000	2250	750
5	Chhattisgarh	8000	360	120	8000	360	120	10000	450	150	26000	1170	390
6	Gujarat	0.00	0.00	0.00	30000	1350	450	0.00	0.00	0.00	30000	1350	450
7	Himachal Pradesh	3557	160.07	85.37	3557	160.065	85.368	4032	181.45	96.77	11146	501.585	267.508
8	Jammu and Kashmir	17396	782.820	521.88	16286	732.87	488.58	16286	732.87	488.6	49968	2248.56	1499.06
9	Karnataka	24003	1080.135	360.05	20414	918.63	306.21	24003	1080.14	360.05	68420	3078.905	1026.31
10	Kerala	178265	7110	2673.975	179316	8069.22	2689.74	183540	8259.3	2753.1	541121	23438.52	8116.815
11	Lakshadweep	0.00	0.00	0.00	2500	112.5	75	0.00	0.00	0.00	2500	112.5	75
12	Madhya Pradesh	10385	467.325	155.775	11237	505.67	168.56	10506	472.77	157.59	32128	1445.765	481.925
13	Maharashtra	0.00	0.00	0.00	0.00	0.00	0.00	2000	90	30	2000	90	30
14	Mizoram	6283	282.735	150.79	6283	282.735	150.792	0.00	0.00	0.00	12566	565.47	301.582
15	Odisha	12000	540	180	20000	900	299.97	0.00	0.00	0.00	32000	1440	479.97
16	Puducherry	28767	1294.52	863.01	28767	1294.515	863.01	24800	1116	744	82334	3705.035	2470.02
17	Rajasthan	103	3.09	1.11	2200	99	33	0.00	0.00	0.00	2303	102.09	34.11
18	Sikkim	0.00	0.00	0.00	200	9	4.8	60	2.7	1.44	260	11.7	6.24
19	Tamil Nadu	216747	9753.615	3251.205	170000	7650	2550	190365	8566.43	2855.48	577112	25970.05	8656.685
20	Telangana	2000	90	30	4000	180	60	0.00	0.00	0.00	6000	270	90
21	Tripura	2239	67.17	53.74	4142	186.39	99.408	4246	191.07	101.9	10627	444.63	255.048
22	Uttarakhand	0.00	0.00	0.00	200	9	4.8	0.00	0.00	0.00	200	9	4.8
	Total	**529745**	**22891.48**	**8926.905**	**677462**	**30485.8**	**11208.64**	**589198**	**26513.93**	**9718.33**	**1796405**	**79891.21**	**29853.87**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying

States/UT wise Group Accident Insurance Scheme covered during (2021-22)

Total 29,11,588 number of fishers have been insured under PMMSY Scheme (as per 2021-22)

Table 9.2 (a) PMMSY-GAIS States/UTs covered during year 2021-22

S. No.	Name	No. of Fishers Insured	State Share Premium Amount on Prorata Basis (in Rs.)	Corresponding Central Share on Prorata (in Rs.)	Total Premium Amount Remitted to OICL (in Rs.)	Claim Intimations Received	Claim Proposals Received	Claims Settled
1	Telangana	336799	9760435	14637285	24397720	272	220	177
2	Odisha	1150000	33327000	49979000	83306000	22	18	8
3	Tripura	5000	36200	326000	362200	0.00	0.00	0.00
4	Himachal Pradesh	13060	94554	851512	946066	6	3	3
5	Daman & Diu	7393	0.00	535549	535549	0.00	0.00	0.00
6	Ladakh	47	0.00	3405	3405	0.00	0.00	0.00
7	Delhi	250	0.00	18110	18110	0.00	0.00	0.00
8	Puducherry	30238	0.00	2190441	2190441	17	15	5
9	Jammu & Kashmir	18742	0.00	1357671	1357671	3	2	0.00
10	Andaman & Nicobar	13022	0.00	943314	943314	2	1	0.00
11	Lakshadweep	2900	0.00	210076	210076	0.00	0.00	0.00
12	Punjab	2985	86506	129728	216234	0.00	0.00	0.00
13	Rajasthan	4350	126063	189051	315114	0.00	0.00	0.00
14	Sikkim	363	2628	23668	26296	0.00	0.00	0.00
15	Tamil Nadu	523237	11966430	17941797	29908227	164	140	99
16	Karnataka	43091	824331	1236712	2061043	14	1	0.00
17	Gujarat	41273	776758	1164724	1941482	1	1	0.00
18	Uttarakhand	2086	9888	89051	98939	0.00	0.00	0.00
19	Haryana	1798	32130	48169	80299	0.00	0.00	0.00
20	Uttar Pradesh	27244	375114	562653	937767	2	0.00	0.00
21	Manipur	2383	7197	64698	71895	0.00	0.00	0.00
22	Bihar	150000	1750500	2625000	4375500	8	2	0.00
23	Chhattisgarh	220340	2518927	3778170	6297097	0.00	0.00	0.00
24	Assam	154987	387576	3488184	3875760	11	2	2
25	Jharkhand	160000	1130400	1695680	2826080	0.00	0.00	0.00
	Total	**2911588**	**63212637**	**104089648**	**167302285**	**522**	**405**	**294**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying

States/UT wise Group Accident Insurance Scheme covered during (2022-23)

Total 33,20,859 number of fishers have been insured under PMMSY Scheme (as per 2022-23)

Table 9.2 (b): PMMSY-GAIS States/UTs covered during year 2022-23

S. No.	Name	No. of Fishers Insured	State Share Premium Amount on Prorata Basis (in Rs.)	Corresponding Central Share on Prorata (in Rs.)	Total Premium Amount Remitted to OICL (in Rs.)	Claim Intimations Received	Claim Proposals Received	Claims Settled
1	Bihar	150000	4347600	6518400	10866000	3	0.00	0.00
2	Chhattisgarh	220495	6390828	9581831	15972659	13	4	0.00
3	Goa	4061	92165	138200	230365	0.00	0.00	0.00
4	Gujarat	99964	2896857	4344536	7241393	15	10	0.00
5	Haryana	1814	52570	78837	131407	2	0.00	0.00
6	Jharkhand	164000	4753376	7126784	11880160	4	1	0.00
7	Karnataka	78983	2288927	3432601	5721528	8	0.00	0.00
8	Madhya Pradesh	117499	3405121	5106507	8511628	11	2	0.00
9	Odisha	1150000	33327000	49979000	83306000	33	15	1
10	Punjab	3120	90418	135596	226014	0.00	0.00	0.00
11	Rajasthan	4857	140756	211085	351841	3	1	0.00
12	Tamil Nadu	543949	15763643	23640023	39403666	196	86	22
13	Telangana	306857	8892716	13336005	22228721	358	204	86
14	Uttar Pradesh	102850	2351224	3526473	5877697	9	1	1
15	West Bengal	8499	246301	369367	615668	0.00	0.00	0.00
16	Maharashtra	100739	1439561	2159240	3598801	3	0.00	0.00
17	Arunachal Pradesh	837	1861	16744	18605	0.00	0.00	0.00
18	Assam	155000	1123595	10104605	11228200	3	2	0.00
19	Himachal Pradesh	11874	85968	774185	860153	1	0.00	0.00
20	Manipur	3383	24493	220572	245065	0.00	0.00	0.00
21	Meghalaya	1013	7335	66048	73383	0.00	0.00	0.00
22	Sikkim	599	4337	39055	43392	0.00	0.00	0.00
23	Tripura	7085	51296	461942	513238	1	0.00	0.00
24	Uttarakhand	2101	15212	136985	152197	0.00	0.00	0.00
25	Andaman & Nicobar	14000	0.00	1014160	1014160	10	3	0.00
26	Delhi	251	0.00	18182	18182	0.00	0.00	0.00
27	Daman & Diu	7447	0.00	539461	539461	0.00	0.00	0.00
28	Jammu & Kashmir	23026	0.00	1668003	1668003	1	0.00	0.00
29	Ladakh	49	0.00	3550	3550	0.00	0.00	0.00
30	Lakshadweep	2307	0.00	167119	167119	2	1	0.00
31	Puducherry	34200	0.00	2477448	2477448	13	7	0.00
	Total	**3320859**	**87793160**	**147392544**	**235185704**	**689**	**337**	**110**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying



Chapter

10

Human Resource Development



Human Resource Development

Why Training in Fisheries

Training in fisheries is essential for the sustainable use of aquatic resources, economic development, food security, environmental protection, and the overall well-being of communities dependent on fisheries.

Institutes like Central Institute of Fisheries Nautical and Engineering Training (CIFNET) provides a variety of training courses in the field of fisheries, nautical science, and marine engineering. These courses are designed to provide education and practical training to individuals interested in pursuing careers in the fisheries and maritime sectors.

Table 10.1(a) Trainings Courses at CIFNET

S. No.	Courses	Duration
1	BFSc (Nautical Science) (Affiliated to CUSAT)	4 years
2	Vessel Navigator Course (NCVT)	2 years
3	Marine Fitter Course (NCVT)	2 years
4	Shore Mechanic Course	1 year
5	Elementary Fishing Technology Course (Statutory course)	2 months
6	Advanced Fishing technology Course (Statutory course)	2 weeks
7	Fishing technology for Coast guard officers	1 week
8	Short term courses on Fishery Technology, Marine Engineering,	Tailor made
9	Refrigeration & Electronics, Nautical Science for fishermen, students of College and Vocational Higher secondary.	
10	Special training course for National & Overseas candidates	Tailor made

Source: CIFNET

Table 10.1(b) Trainings courses conducted at CIFNET during FY 2021-22

S. No.	Courses	Duration
1	Degree Course - BFSc (NS)	4 years
2	Trade course- VNC/MFC	2 years
3	Skill development training programme on " Maintenance of boat engines and fishing practices"	3 days
4	Skill development training programme on "Hygienic handling and preservation of catch onboard fishing vessel"	3 days
5	Skill development training programme on " Basic seamanship navigation marine electronic equipment's"	3 days
6	Outreach training programme for fishermen on "Poshan Abhyaan"	1 days
7	Outreach training programme for fishermen and boat owners on	1 days
	"Deep Sea fishing, sea safety navigation and communication"	
8	Outreach training programme on "Sea safety and navigation, Marine communication and emergency procedures and fish management in fishing vessel & harbours"	1 days
9	An awareness extension programme for fishermen "Safety at sea/fishing vessel communication & monitoring system/trouble shooting & maintenance of OBM-IBE	1 days
10	An awareness extension programme for fishermen on Marine communication, emergency procedures, trouble shooting and maintenance of engines	1 days
11	An awareness extension programme for fishermen on "Boat engine maintenance"	1 days
12	Extension programme on "Safety at Sea"	1 days
13	Capacity building in deep fishing and onboard handling of tuna	6 days
14	Ancillary course-shore mechanics courses	1 year
15	Statutory and refresher courses- Advanced Fishing Technology Course (AFTC)	2 weeks
16	Short term course on fisheries technology for coast guard	5 days
17	Short term course on fishing techniques and fish finding equipment's (virtual mode)	5 days
18	Short term course for professional degree course student	5 days
19	Short term course on "fish filleting and processing"	3 days
20	Skill development training programme on "Longline fishing and tuna handling on board"	3 days
21	Skill development training programme on "defect rectification and maintenance of board"	3 days
22	Skill development training programme on "communication and navigation equipment's on-board fishing vessel"	3 days

Source: CIFNET

Table 10.1(c) Trainings courses conducted at CIFNET during FY 2022-23

S. No.	Courses	Duration
1	Degree Course - BFSc (NS)	4 years
2	Trade course- VNC/MFC	2 years
3	Ancillary course-shore mechanics courses	1 years
4	Statutory and refresher courses- Advanced Fishing Technology Course (AFTC)	2 weeks
5	Training programme to engine drivers in operation and maintenance of marine engines and sea safety measures	10 days
6	Training programme to deckhand in responsible fishing, hygienic handling of fish and safety measures	3 days
7	Short term syrang course for the fishermen	15 days
8	One day practical demonstration on " GPS, echo sounder, AIS handling and emergency communication procedure"	1 day
9	Skill development training programme on " Basic seamanship navigation marine electronic equipment's"	3 days
10	Skill development training programme on "Longline fishing and tuna handling on board"	3 days
11	Extension programme on "Safety at Sea" including lifesaving appliances, communication appliances and safe navigation	1 day
12	One day extension training programme (outreach/awareness training) under PMMSY scheme on "defect and troubleshooting of boat engines"	1 day
13	One day extension training programme (outreach/awareness training) under PMMSY scheme on "communication and navigational equipment's onboard fishing vessel"	1 day
14	Skill development training programme for fishermen under PMMSY on "Maintenance of boat engine and fishing practice"	3 days
15	Skill development training programme for fishermen under PMMSY on "lifesaving appliances and safety at sea"	3 days
16	Skill development training programme on "defect rectification and maintenance of boats"	3 days
17	Extension training programme (outreach/awareness training) under PMMSY scheme on "communication and navigational equipment's onboard fishing vessel"	3 days
18	Skill development training programme on "Hygienic handling and preservation of catch onboard fishing vessel"	3 days
19	Capacity building in deep fishing and onboard handling of tuna	6 days
20	Short term course on fisheries technology for coast guard	5 days
21	Short term on "fish harvest technology" for professional degree course students"	5 days

Source: CIFNET

Table 10.2 CIFNET skill development/ awareness trainings program

S. No.	Courses	Duration
1	Skill development training program on "Maintenance of boat engines and fishing practice"	3 days
2	Skill development training program on "hygienic handling and preservation of catch onboard fishing vessel"	3 days
3	Skill development training program on "Basic seamanship Navigation, marine electronic equipment's"	3 days
4	Outreach training program for fishermen on Poshan Abhyaan	1 day
5	Outreach training program for boat owner and fishermen on "deep sea fishing, sea safety, navigation and communication"	1 day
6	Outreach training program on "sea safety, navigation, marine communication, emergency procedures and fish management in fishing vessel and harbor"	1 day
7	An awareness extension program for fishermen "safety at sea/fishing vessel communication and monitoring system/trouble shooting and maintenance of OBM-IBE"	1 day
8	An awareness extension program for fishermen on marine communication, emergency procedures, troubleshooting and maintenance of engines"	1 day
9	An awareness extension program for fishermen on boat engine maintenance	1 day
10	Extension program on safety at sea	1 day
11	Capacity building in deep fishing (tuna longline fishing) and onboard hygienic handling of tuna	6 days
12	Ancillary course (shore mechanics course)	1 year
13	Statutory and refresher course - Advance fishing technology course (AFTC)	2 weeks
14	Short term course on fisheries technology for coast guard	5 days
15	Short term course on fishing techniques and fish finding equipment's (Virtual Mode)	5 days
16	Short term course on fishing filleting and processing	3 days
17	Skill development training program on longline fishing and tuna handling on board	3 days
18	Skill development training program on defect rectification and maintenance of boat	3 days
19	Skill development training program on communication & navigation equipment's on boat fishing vehicles	3 days
20	Training program to engine drivers in " Operation and maintenance of marine engines and safety measures"	10 days

Source: CIFNET, Kochi

Table 10.3 Achievements on Training Activities of CIFNET

Parameters	2020-21			2021-22			2022-23		
	Target	Actual	% Achievement	Target	Actual	% Achievement	Target	Actual	% Achievement
No of students undergoing degree course BFSc (NS)	142	125	88.03	149	133	89.26	149	143	95.97
No of students undergoing trade course VNC/MFC	240	217	90.42	240	203	84.58	240	196	81.67
Ancillary Course (shore mechanics course)	10	7	70	20	20	100	20	18	90
Statutory and refresher course (AFTC/EFTC)	10	1	10	10	2	20	10	1	10
Short term courses (Fishermen training, extension training, training for officials and students	1000	636	63.6	1000	1174	117.4	1400	1652	118

Source: CIFNET, Kochi

Table 10.4 Achievements on Fishing Vessel Performance by CIFNET

Parameters	2020-21			2021-22			2022-23		
	Target	Actual	% Achievement	Target	Actual	% Achievement	Target	Actual	% Achievement
Days out at Sea	400	410	102.5	350	324	92.57	400	378	94.5
Fishing days	300	345	115	300	238	79.33	320	282	88.1
Fishing effort (hrs)	1100	1159.39	105	1100	805.64	73.24	1100	926.79	84.3
Fishing effort (hooks)	5000	5135	102.7	5000	4990	99.8	5000	3540	70.8
Catch	15000	19279	128.64	14000	10284	73.46	14000	18656	113.3
Institutional Trainee Days	1500	1618	108	1500	1844	112.93	2500	2006	80.2
Post Institutional Trainee Days	2750	3530	128.4	3000	1612	87.07	3500	2945	84.1

Source: CIFNET, Kochi

Table 10.5 CIFNET Action Plan Training Target

Parameters	2023-24	2024-25	2025-26	2026-27	2027-28	Remarks
Target for institution training program	-	-	-	-	-	-
No of student in core course	-	-	-	-	-	-
BFSc (NS) 4 years	120	-	-	-	-	As per the order from ministry vide letter no.j-2001521/2/ 2022-fy(E-20077) dated 26/07/2023, BFSc (NS) course is discontinued
No of student in trade course - VNC/MFC (2 years)	240	240	240	240	240	-

Source: CIFNET, Kochi
-: NA

Ancillary course (shore mechanics course)	20	20	20	20	20	NA
Statutory and refresher course	10	10	10	10	10	NA
Target for other training program	NA	NA	NA	NA	NA	NA
Short term training course (STC)	1500	1500	1600	1600	1800	NA
Fishermen training (in house) under PMMSY	NA	NA	NA	NA	NA	NA
Fishermen extension training under PMMSY	NA	NA	NA	NA	NA	NA
STC for professional (coast guard, fisheries, officials)	NA	NA	NA	NA	NA	NA
Professional students/VHSS	NA	NA	NA	NA	NA	NA

Source: CIFNET
NA: Not Available

Table 10.6 CIFNET Action Plan Vessel Operation Target

Parameters	2023-24	2024-25	2025-26	2026-27	2027-28	Remarks
Days out at sea	450	450	450	450	450	The same targets for vessel operation are continuing from 2023-24 to 2027-28 since all three fishery training vessels very old. The target may be revised subject to the procurement of training vessels
Fishing Days	350	350	350	350	350	
Fishing Efforts (hrs)	1250	1250	1250	1250	1250	
Fishing Efforts (hooks)	5000	5000	5000	5000	5000	
Catch (tonnes)	16	16	16	16	16	
Institutional trainee days	2500	2500	2500	2500	2500	
Post Institutional trainee days	3500	3500	3500	3500	3500	

Source: CIFNET

Table 10.7 CIFNET Performance (2021-22)

S. No	Parameter	Annual Target	Total Achievement	% Achievement
Target for institution training program				
1	No. of student under degree course- BFSc (NS)	149	133	89.26
2	No. of student under trade course (NCVT vessel navigator course/marine filter course)	240	203	85.48
3	No of student under Ancillary course (shore mechanics course)	20	20	100
4	Statutory and refresher course	10	2	20
Target for other training program				
5	Short term training course (STC)	1000	1174	117.4
Target for fishery training vessel				
1	Days out at Sea	350	324	92.57
2	Fishing days	300	238	79.33
3	Fishing effort (hrs)	1100	805.64	73.24
4	Fishing effort (hooks)	5000	4990	99.8
5	Catch (T)	14000	10284	73.46
6	Institutional Trainee Days	1500	1844	122.93
7	Post Institutional trainee days	3000	2612	87.07
	Revenue of the institute	6500000	14473094	222.66

Source: CIFNET

Table 10.8 CIFNET Performance (2022-23)

S. No	Parameter	Annual Target	Total Achievement	% Achievement
Target for institution training program				
1	No. of student under degree course- BFSc (NS)	149	143	95.97
2	No. of student under trade course	240	196	81.67
3	No of student under Ancillary course	20	18	90
4	Statutory and refresher course	10	1	10
Target for other training program				
5	Short term training course (STC)	1400	1652	118
Target for fishery training vessel				
1	Days out at Sea	400	378	94.5
2	Fishing days	320	282	88.1
3	Fishing effort (hrs)	1100	926.9	84.3
4	Fishing effort (hooks)	5000	3540	70.8
5	Catch (T)	14000	18656	133.3
6	Institutional Trainee Days	2500	2006	80.2
7	Post Institutional trainee days	3500	2945	84.1
	Revenue of the institute	**8000000**	**9013454**	**112.67**

Source: CIFNET



Chapter

11

Fisheries Institute



Fisheries Institute

1. National Fisheries Development Board (NFDB)

Background

The National Fisheries Development Board (NFDB) was established in 2006 as an autonomous organization under the administrative control of Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. The Board was set up to realize the untapped potential of fisheries sector in inland & marine, fish culture, capture, processing & marketing of fish, and accelerate the overall growth of fisheries sector with the application of modern tools of research & development. NFDB has been implementing some key projects directly in emerging new technologies like cage culture, quality fish seed production of improved varieties, value chain development in fisheries etc. The successful implementation of these projects has resulted in wider adoption of new technologies by farmers.

Major Functions of NFDB Institute

a) To focus on tapping the full production potential and enhance productivity substantially from aquaculture and fisheries resources, both in inland and marine sectors. It is targeted to achieve the growth rate of about 8% annually on a sustainable basis over a period of 5 years and to achieve the projected fish production set at 20 million metric tonnes by 2022.

b) To make Blue Revolution more robust and where it is appropriate, create an inclusive business approach to build value for aquafarmers, together with a suitable enabling environment.

c) Policy and institutional orientation of private and public sectors towards aquafarmers.

d) To achieve economic prosperity of the country, the fishers and fish farmers as well as contribute towards food and nutritional security through full potential utilization of water resources for fisheries development in a sustainable manner, keeping in view the biosecurity and environmental concerns.

Mandates

a) Bring major activities relating to fisheries and aquaculture for focused attention and professional management

b) Coordinate fisheries activities undertaken by Central Government and also coordinate with the State/Union Territory

c) Improve production, processing, storage, transport and marketing of the products

d) Achieve sustainable management and conservation of natural aquatic resources

e) Apply modern research tools for optimizing production and productivity

f) Generate substantial employment

g) Enhance contribution of fish towards food and nutritional security

Major Activities of NFDB

The activities undertaken by NFDB are summarized below and are detailed in the subsequent chapters.

a) Activities of NFDB under Pradhan Mantri Matsya Sampada Yojana (PMMSY)

b) Appraisal of project proposals received under PMMSY and make necessary recommendations based on the viability of the projects/ activities

c) Monitoring the implementation of the projects sanctioned under PMMSY

d) Necessary handholding to States and UTs to prepare project proposals under PMMSY State Action Plans and updating the Management Information System (MIS) of PMMSY

e) Implementation agency for Entrepreneur Model, Insurance Schemes, Fish Farmer Producer Organizations/ Companies etc.

f) Nodal agency for implementation of River Ranching, Innovation and Innovative Projects, Pilot Projects on Technology Demonstration, Start-ups, Training and Capacity Building programs, Certification, Accreditation, and Traceability & Labelling

g) Promotion and development of inland fisheries and aquaculture in North-eastern States

h) Fish data collection, fishers' survey and strengthening of fisheries data base

I) Infrastructure Development Projects

j) Awareness and publicity campaign on PMMSY and organization of events

Regional Centres of NFDB

NFDB has 2 regional centres. The details of the two Regional Centres of NFDB are given below:

a) NFDB-Eastern Regional Centre, Bhubaneswar

b) NFDB-North-Eastern Regional Centre, Guwahati

Major Initiatives & Achievements of NFDB

a) NFDB has received proposals from various States/UTs under CSS of PMMSY. NFDB have provided necessary handholding & advisory to States/UTs wherever required to prepare and submit proposals.

b) As per the Annual Action Plan FY 2022-23, NFDB is undertaking various need-based activities under the of PMMSY and the activities entrusted by DoF from time to time.

c) Under NFDB Action Plan FY 2022-23, 13 projects are proposed to implement with a total amount of Rs 90.59 Crore, the same is approved in the 43rd Executive Committee of NFDB, subsequently DoF has issued order during January 2023. NFDB is in the processes of implementing the same

Activities of NFDB under PMMSY

A. PMMSY-Project Appraisal Committee (PAC) at NFDB

As per the guidelines of PMMSY, a Project Appraisal Committee (PAC) headed by the CE, NFDB has been constituted for the appraisal of the project proposals received under the Centrally Sponsored Scheme (CSS) component of PMMSY from States and UTs with the prior approval of the respective State/UT Level Approval and Monitoring Committee (SLAMC/ UTLAMC). After appraisal by PAC, the viable

projects/ proposals under the CSS will be recommended to DoF for approval and release of admissible central financial assistance. Apart from this, activities/ projects under CS Scheme Component of PMMSY are also appraised through PAC as and when received from the DoF for making necessary recommendations to be placed in the Central Apex Committee (CAC) of PMMSY.

During the FY 2022-23, 1007 Self Contained Proposals (SCPs)/ Detailed Project Reports (DPRs) were received from 35 States and UTs under the beneficiary-oriented component of CSS of PMMSY and scrutinized by NFDB. As on 31st March 2023, 10 PAC meetings were held under the Chairmanship of the CE, NFDB and 816 projects were recommended to DoF under the CSS component at a total outlay of Rs 5395.629 crore with central share of Rs 2374.29 crore benefiting 16 lakh beneficiaries towards direct and indirect employment. The non-beneficiary-oriented components of under CSS of PMMSY such as Integrated Aquapark of Arunachal Pradesh, Integrated Seaweed Park of Tamil Nadu and Projects on Landing Centres/ Harbours of Andhra Pradesh, Karnataka, Kerala, Maharashtra, Odisha, Puducherry, Tamil Nadu and West Bengal were also recommended by PAC during the FY 2022-23. 707 no. of artificial reefs were recommended cumulatively for 7 States and UTs viz., Karnataka, Kerala, Maharashtra, Odisha, Puducherry, Tamil Nadu and West Bengal. The PAC also appraises the proposals received under Entrepreneur Model under the CS component of PMMSY.

B. PMMSY-Project Monitoring Unit

The Project Monitoring Unit (PMU), NFDB under the chairmanship of CE, NFDB regularly monitors the implementation of the projects/activities sanctioned under the CS and CSS components of PMMSY. The PMU, NFDB has developed the project monitoring formats for data collection as per the guidelines of PMMSY and checklists for field visits.

To ease the procedures, NFDB has formed PMU- State Monitoring Teams comprising of NFDB officials. Each such team is assigned with the task of monitoring the sanctioned projects in 6 to 8 states. The periodic monitoring by the PMU- State Monitoring Teams is done through field visits, virtual review meetings with the respective nodal officers of the States and UTs and the assessment of the physical and financial data submitted by the States and UTs in the Specified formats.

As on 31st March 2022, PMU, NFDB has conducted 6 Quarterly PMU review meetings with States and UTs and field visits to 31 States & UTs to assess the physical progress of the projects. Based on theses, periodical advisories are being sent to States and UTs and salient observations to DoF.

PMMSY has a MIS dashboard in place for gathering information on a single platform. NFDB has provided training and handholding support to States and UTs on MIS. Accordingly, the States and UTs are making progress in data entry in MIS.

C. Entrepreneur Models in Fisheries and Aquaculture

NFDB is the end implementing agency for Entrepreneur Models in Fisheries and Aquaculture under the CS component of PMMSY, which aims to attract and encourage private investment in fisheries and aquaculture sector. Various individual sub-components/ activities of PMMSY would be integrated and packaged to provide end-to-end solutions wherever feasible for maximizing the output and outcomes. These are primarily need based beneficiary-oriented fisheries development activities in an integrated manner to address the needs and priorities of the fisheries sector which are either unmet or sub-optimally/ partially met under PMMSY within the broad framework of PMMSY scheme. Such integrated projects would be implemented as Entrepreneur/ Business models under 3 broad categories viz. investment driven models, industry driven models and incubator driven models. The activities supported under this model are integrated business model targeting production, marketing with backward and forward linkages etc.

Based on the recommendation by PAC and approval by DoF, NFDB sanctioned 34



proposals cumulatively as on 31st March 2023 as Entrepreneur Model under the CS component of PMMSY at a total outlay of Rs 97.82 crore with the eligible subsidy of Rs 26.23 crore. Out of this, as subsidy to the tune of Rs 6 crore has been released for 11 projects benefitting 18 beneficiaries from General category, 5 from SC category, and 5 from ST category covering 13 states viz., Andhra Pradesh, Arunachal Pradesh, Assam, Delhi, Goa, Maharashtra, Mizoram, Nagaland, Odisha, Tamil Nadu, Telangana, Uttar Pradesh and West Bengal. Out of these, 6 are women beneficiaries. Project implemented under Entrepreneur model.

D. Formation of Fish Farmer Producer Organisations

As the first step to form and promote Fish Farmer Producer Organisations (FFPOs), Cluster Based Business Organizations (CBBOs) have to be set up. Accordingly, a notification for the selection of CBBOs was issued by NFDB on 30th May 2022, with the last date as 8th July 2022. In response, NFDB received 53 applications under three categories viz., 27 under Category I, 2 under Category II and 24 under Category III. The applications were scrutinized and evaluated including external experts from MANAGE, Hyderabad and IIM, Hyderabad. Accordingly, 6 agencies were shortlisted and awarded as CBBOs on 1st November 2022 for the formation of 20 FFPOs covering 10 States and UTs namely Andhra Pradesh, Assam, Bihar, Maharashtra, Manipur, Odisha, Puducherry, Tamil Nadu, Tripura and Uttar Pradesh. NFDB is, at present, under the process of the execution of Memorandum of Agreement (MoA) with the selected CBBOs. The selected CBBOs have initiated identifying the locations in the respective States.

E. River Ranching

River ranching scheme has been incorporated under PMMSY with the objective of addressing the depleted fish stocks in rivers and to improve the livelihood of fishers. The scheme is a continuous program. During the initial year, the programme was implemented in three river basins namely (i) Ganges and the tributaries of the Ganges River system, (ii) Brahmaputra and Barak River and other



River Ranching Programme, Himanchal Pradesh

rivers (iii) Mahanadi and tributaries of Mahanadi River system.

During the FY 2021-22, the scheme was extended for two years, covering 4 more rivers namely (i) Godavari, (ii) Cauvery, (iii) Narmada and (iv) Indus overlaying the 7 states of (Karnataka, Tamil Nadu, Maharashtra, Gujarat, Sikkim, Himachal Pradesh, and Assam). Under the frequent monitoring and guidance of NFDB, the States have implemented the river ranching activities as per the timelines. A total of Rs 18.55 crore has been sanctioned to 13 States to ranch 618.54 lakh fingerlings for the second consecutive year stocking. As on 31st March during the FY 2022-23, 555 lakh fingerlings (89%) were ranched in Assam, Bihar, Chhattisgarh, Himachal Pradesh, Odisha, Sikkim, Tripura, Uttarakhand and Uttar Pradesh in major areas of Ganges and its tributaries, Mahanadi, Brahmaputra and Barak and its distributaries and other rivers.

Subsequently for the second year River Ranching program during the FY 2022-23, river ranching was sanctioned for river systems Ganges, Mahanadi, Brahmaputra, Cauvery, Narmada, Bhagrathi, Hooghly, Subarnarekha and their tributaries covering 16 states Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Himachal Pradesh, Maharashtra, Nagaland, Odisha, Sikkim, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh, West Bengal, Gujarat and Manipur targeting to ranch 876.02 lakh fingerlings.

F. Establishment of Breeding Units of Indigenous Fish Species in North-Eastern States

In the North-Eastern States, fish species like Magur, Singhi, Pabda and Koi have special consumer preferences and fetch high market prices. However, the commercial breeding and propagation, and culture expansion of these species still remains low due to the lack of adequate number of hatcheries for fish seed production, lack of dissemination of breeding technique among the farmers and lack of other necessary support. In this scenario, NFDB launched the project 'Establishment of Breeding Units for Locally Important Fish species of Northeast India' in the FY 2020-21. NFDB sanctioned and released Rs 49.8 lakh (FY 2020-21) and Rs 64.6 lakh (FY 2021-22) through the respective State Fisheries Department for the establishment of 35 breeding units (large or small??) for locally important indigenous fish species. This covered 8 States viz. Arunachal Pradesh (2 units), Assam (7 units), Manipur (5 units), Meghalaya (2 units), Mizoram (2 units),

Nagaland (3 units), Sikkim (3 units) and Tripura (7 units). The cumulative NFDB subsidy amount of the project from FY 2020-21 to FY 2022-23 is Rs 114.60 lakh. The selection of the beneficiaries for the FY 2022-23 is under process.

G. Technology Demonstrations including Start-Ups, Incubators and Pilot Projects

Cage Culture Demonstration of Sea bass and Mullet in Jalka estuary, Bahabalpur, Odisha by NFDB-ERC-NFFBB

NFDB-ERC-NFFBB has taken up the demonstration of cage culture of Sea bass and Mullet in Jalka estuary, Bahabalpur, Odisha with technical guidance from ICAR-CMFRI. The cages are fabricated and are ready for installation with Sea bass (Lates calarifer) seed (5 - 8 cm size) were stocked in hapas fixed in a well-prepared nursery pond (1.2 ha area) at Bahabalpur. The seed were procured from M/s MSR Hatchery, Kakinada.

Cage Culture Demonstration of Indian Pompano in Chandipur Coast, Bahabalpur, Odisha by CMFRI

During the FY 2020-21, NFDB had sanctioned the project 'Cage Culture Demonstration of Indian pompano in Chandipur coast' at the total project cost of Rs 257.324 lakh for a period of 3 years with 100% central assistance to ICAR-CMFRI. A model Indian pompano marine cage farming unit was established under the project at Bahabalpur, along Balasore of North Odisha. This would act as a nuclear centre for large-scale dissemination of the technology within the State. The project registered 20 metric tonnes of fish harvest from 30 cages with the price realisation of Rs 59.53 lakh from its 2nd and final crop. Since then, the project has been extended into its 2nd Phase with the project cost of Rs 75 lakh as one-time subsidy assistance towards operational cost by involving fishermen society/ societies with sharing pattern as fixed under PMMSY. The central share will be Rs 45 lakh (60%) and the beneficiary share, Rs 30 lakh (40%). A MoU was signed with 36 (18 fishermen and 18 fisherwomen) beneficiaries for the distribution of 30 cages and undertaking of cage culture demonstration at Bahabalpur, Balasore.

H. Newly Sanctioned Projects

NFDB has taken up various initiatives during the FY 2022-23 to popularize new and innovative technologies emerging in the fisheries and aquaculture sector so as to improve fish production and productivity in the country. The following projects

have been sanctioned during the period of 2022-23, for the total outlay of Rs 2.56 Crore.

i) Demonstration of growth performance, health status and meat quality of Biofloc raised fish in Northern India (Rs 19.47 Lakh)

ii) Demonstration of viable farming protocols for indigenous brackish water seaweed species for income generation among coastal folks (Rs 21.95 Lakh)

iii) Pilot scale implementation of 'Smart packing technology: Fish freshness indicator' at field level to enhance domestic fish consumption (Rs 40.50 Lakh)

iv) Demonstration of seed Production of critically endangered catfish Glyptothorax kashmirensis for conservation and culture in Jammu and Kashmir (Rs 26.40 lakh)

v) Pilot scale demonstration of seaweed-based feed production for fish and shrimp (Rs 36 lakh)

vi) Technology Demonstration of Singhi catfish culture in Re-Circulatory Aquaculture System (RAS) and entrepreneurship development in the region (Rs 38.95 lakh)

vii) Demonstration of 'ornamental fish culture and breeding technique through incorporation of natural carotenoids in fish feed for improvement of the pigmentation' to the rural youths of Telangana (Rs 23.50 lakh)

viii) Technology demonstration of premium quality Masmin production in Lakshadweep for domestic and export markets (Rs 23.54 lakh)

ix) Technology demonstration of emerging fish species in Biofloc culture system (Rs 26 lakh.

x) Development and popularization fuel-efficient long-lasting otter boards for greening the trawl fishing sector in India (Rs.109.163 lakh)

xi) Pilot project for distribution of Phase Change Material (PCM) to fish vendors/ retailers in Delhi NCR (Rs.3.00 lakh)

xii) Establishment of a Bio-resource facility of Zebrafish (Danio rario): A National genetic repository for wild type and inbred zebrafish strains (Rs.70.00 lakh)

xiii) Integrated multi-tropic aquaculture for the alternate livelihood of fishers and

augmenting fish production of coastal waters in Karnataka (Rs. 52.275 lakh)

xiv) Preference, consumption pattern and future demand for fish and fishery products in India (Rs.15.22 lakh).

xv) Undertaking testing of technologies/kits for operating marine engines with various alternate fuels i.e., LPG, CNG, LNG and biodiesel at the facilities of ICAT and certification of their safety and efficiency by ICAT (Rs.102.917 lakhs).

I. Training, Awareness, Exposure and Capacity Building Programmes

NFDB has been designated as the nodal agency for executing training, awareness, exposure, and capacity building activities including skill development/ upgradation programmes under PMMSY.

Training and Capacity Building



Glimpses of NFDB sponsored skill development training programme

Keeping in view of the broad spectrum of training needs, a range of Institutions within and outside the fisheries discipline are required to meet the growing skill demand of the sector. The Institutions where the trainings are being conducted include ICAR- Central Marine Fisheries Research Institute (ICAR-CMFRI), ICAR-Central Institute of Fisheries Education (ICAR-CIFE), National Bureau of Fish Genetic Resources (ICAR-NBFGR), Central Institute of Fisheries Technology (ICAR-CIFT), Directorate of Cold Water Fisheries Research (ICAR-DCFR), Central Institute of Freshwater Aquaculture (ICAR-CIFA), Central Inland Fisheries Research Institute (ICAR-CIFRI), Central Institute of Fisheries, Nautical and Engineering Training (CIFNET), Central Salt and Marine Chemical Research Institute (CSMCRI), State and UT Fisheries Departments, Krishi Vigyan Kendras (KVKs), Cochin University of Science and Technology (CUSAT), National Institute of Agricultural Extension Management (MANAGE), Agriculture Skill Council of India (ASCI), Marine Products Exports Development Authority (MPEDA-NETFISH), National Federation of Fishermen's

Cooperatives Ltd (FISHCOPFED), National Institute of Fisheries Post-Harvest Technology and Training (NIFPHATT), Fishery Survey of India (FSI), State Agricultural Universities, State Fisheries Universities etc.

NFDB has sanctioned the amount of Rs 531.54 lakh and released the financial assistance of Rs 430.22 lakh to 26 States and UTs covering 54 implementing agencies for conducting 1211 programs. Cumulatively, 39945 beneficiaries were trained under these programmes in the areas of intensive freshwater aquaculture, brackish water aquaculture, coldwater fisheries, ornamental fisheries, fish processing and marketing, species-specific (Pangasius, Murrel, Magur, Singhi, Pearlspot, Tilapia, Scampi, Shrimp, Sea bass, Cobia and Pompano) hatchery/ breeding Technologies and integrated fish farming. The programmes conducted by NFDB-ERC and NFDB-NERC.



NFDB sponsored Events in the FY 2022-23

J. Exposure and Awareness

NFDB has conducted several exposure and awareness activities during the FY 2022-23. To familiarise the public on NFDB activities and PMMSY, NFDB published four advertisements in newspapers and souvenirs and set up stalls at 5 large-scale exhibitions. NFDB sanctioned Rs 103.25 lakh to 18 States and UTs for conducting Fish Festivals which were intended to make the people aware about fish and fish products, its health benefits etc. NFDB sponsored 50 events such as workshops, conferences, summits, exhibitions, and seafood show etc. across 24 States and UTs in India with the total outlay of Rs 3.4 crore. The programmes were conducted by NFDB-ERC and NFDB NERC. These efforts successfully raised awareness among more than 29000 individuals regarding start-up opportunities in fisheries sector, domestic fish consumption, PMMSY, etc. and provided a platform for technology demonstration, knowledge sharing, and hands-on activities related to fisheries.

Table 11.1: State-wise Fund Releases for Training and Capacity Building by NFDB under PMMSY during the FY 2022-23

S. No.	State/ UT	No. of Programmes	Amount Sanctioned (Rs lakh)	Amount Released (Rs lakh)	No. of Beneficiaries
1	Andhra Pradesh	46	73.19	42	1730
2	Assam	03	0.25	1.92	135
3	Chhattisgarh	14	15.62	15.62	600
4	Delhi	700	69.5	69.5	18500
5	Himachal Pradesh	16	7.47	7.47	860
6	Haryana	05	3.12	3.12	160
7	Jammu and Kashmir	09	7.61	3.80	370
8	Jharkhand	06	5.7	5.7	60
9	Kerala	40	47.75	47.75	1300
10	Karnataka	10	13.82	9.68	500
11	Madhya Pradesh	24	31.72	15.71	1525
13	Manipur	05	1.14	5.12	95
14	Meghalaya	12	8.77	4.38	470
15	Mizoram	24	15.94	17.56	985
16	Nagaland	05	5.83	5.83	250
17	Odisha	05	4.0	4.0	400
18	Puducherry	09	5.57	5.57	270
19	Punjab	04	2.53	2.53	100
20	Rajasthan	40	17.06	8.53	1920
21	Sikkim	09	8.08	8.08	725
22	Tamil Nadu	34	65.74	69.58	1360
23	Telangana	16	15.78	15.78	400
24	Tripura	14	12.25	6.12	825
25	Uttar Pradesh	108	52.86	27.44	4425
26	West Bengal	50	40.24	27.43	1830
	Total	**1211**	**531.54**	**430.22**	**39945**

K. Aquatic Animal Health and Quality Testing Laboratory

The Aquatic Animal Health and Quality Testing Laboratory (AAHQTL) is a national level laboratory under the aegis of NFDB. It is an ISO 9001-2015 certified laboratory offering various testing services to fishers, fish farmers and other stakeholders in fisheries. The laboratory has separate Divisions for Molecular Diagnostics, Microbiology, Feed, Water and Soil, and Residual testing divisions and is operational with sophisticated instruments for gene sequencing, quantification of heavy metals, profiling the amino acids and vitamins etc. AAHQTL offers hands on training programmes on PCR and RT-PCR and its applications, bio-techniques, nutrient profiling of fish and fish products, water quality parameters etc. A total of 59 trainees in 11 batches were trained during the FY 2022-23.

The AAHQTL has currently taken up a project titled "Assessment of pathogenic microorganisms along with nutrient and residual contaminant profiling in fish and aqua feeds". Under the project, a total of 206 samples (fish, shrimp, potable water, ice and retailers' hygiene related samples) were collected from various wholesale and retail markets, landing centres, street markets etc. of Andhra Pradesh, Karnataka, Kerala, Maharashtra, Tamil Nadu and Telangana and tested for microbial prevalence. The project also attends to the nutrient and amino acid profiling of with due importance to the presence of heavy metals like mercury, lead, arsenic and cadmium. 80 samples of fish, shrimp, aquafeed, soil and water from the farms of Andhra Pradesh and Tamil Nadu were analysed. In addition, 121 commercial samples of aquafeed, soil and water were analysed and reported to the customers.



Sample collection by AAHQTL Team



Shri Jatindra Nath Swain, IAS visit

AAHQTL, NFDB has entered a MoU with Environment Protection Training and Research Institute (EPTRI), Government of Telangana for undertaking various fisheries and environment related research. At present, AAHQTL in collaboration with EPTRI is running a project titled "Aquatic biodiversity studies of Kaleswaram expansion (PPEM) projects viz., Medigadda, Annaram and Sundilla barrages of Telangana State".

L. Certification of Fish Hatchery/ Fish Farm/ Brood banks/ Feed Mill

NFDB is implementing the certification of fish hatchery/ fish farm/ brood banks/ feed mill under PMMSY on pilot basis in 6 States viz; Andhra Pradesh, Assam, Chhattisgarh, Gujarat, Karnataka and Tamil Nadu covering about 3040 beneficiaries including individuals and groups and targeting 1711 units of hatcheries, feed mills and fish farms under certification scheme with the total budget outlay of Rs 4.52 crore. Accordingly, NFDB has empanelled 8 certifying bodies viz. Bureau Veritas (India) Pvt Ltd, CU Inspections and Certifications India Pvt Ltd, Cotecna Inspection Pvt Ltd, Intertek India Pvt Ltd, Quest Certification Pvt Limited, SGS India Pvt Ltd, Tata

Projects Ltd, and TUV India Pvt Ltd for implementing the certification of fish hatchery/ fish farm/ brood banks/ feed mill under PMMSY. The selected States are implementing the scheme through these certifying bodies. The subsidy assistance for general, SC/ ST/ women, and group/ cluster beneficiaries are as Rs 18000, Rs 27000 and Rs 60000 respectively per unit.

M. Fisheries Cooperative Societies

In pursuance to the directions issued by the DoF, NFDB is executing 'Mapping of data on Fisheries Cooperative Societies (FCS) across the country'. To aid this, NFDB has developed a google format for capturing the required information viz. status of FCS' existence, fisheries activity taken up, functionality etc. from the existing Primary-, District- and State- level FCS and shared it with the States and UTs for uploading the data. This will in turn be useful for the MIS to be developed by the Ministry of Cooperation. NFDB is regularly coordinating with the States and UTs in this regard and updating and sharing the data with the Ministry of Cooperation. As of now, 29 States and UTs have entered approximately 50% of the data.

N. Development and Operation of Coastal Aquaculture Facility at Mulapolam, Srikakulam, Andhra Pradesh

As per the Annual Action Plan 2020-21 and 2021-22, NFDB has taken up the Phase I activities such as site levelling, preparation of engineering drawings and cost estimations for the creation of coastal aquaculture facilities. The Phase I infrastructure works are being executed through the Central Public Works Department (CPWD). 85% of physical progress has been achieved for the construction of administrative building, reservoir ponds, nursery units, grow-out ponds for marine finfish and mud crab, seawater intake arrangements, filtration, storage reservoirs, freshwater supply arrangements, effluent treatment plant, internal roads, drainage, electricity arrangements including generator, etc.

NFDB has floated a Request for Proposal (RFP) on Central Public Procurement Portal (CPPP) and NFDB website for the selection of preferred bidder for 'Operation & Management' (O & M) of the Phase I of the 'Coastal Aquaculture Facilities' and 'Design, Build, Finance, Operate & Transfer' (DBFOT) of the Phase II of the 'Coastal Aquaculture Facilities' in PPP mode.

As on 31st March 2023, the status of civil works at the site is as follows.

i) Nursery complex: Construction work is completed

ii) Grow-out ponds: Excavation and drainage plumbing works are completed.

iii) Administrative building: Brick work is completed, and the internal finishing work is in progress.

iv) Reservoir ponds: Excavation work is completed. Dissipation and filtration structure, filtration canal and seepage pipeline works are also completed.

v) Roads: Formation of the main road and internal roads in the phase I is completed.

vi) Power lines: HT Line connection for 250 KVA line is completed.

vii) Pond preparation: HDPE lining in all the ponds is in progress.

viii) Pipelines: Laying of sea water pipeline from the sea to NFDB site is in progress

NFDB has obtained the following required statutory clearances viz.

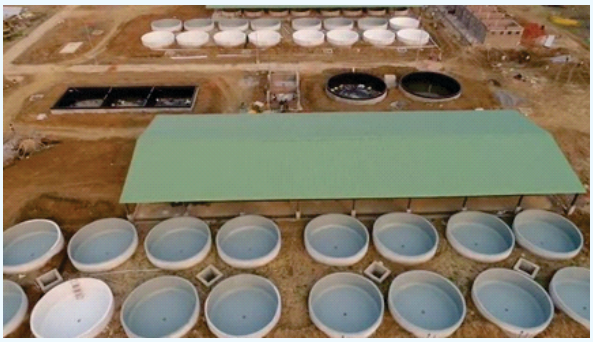
i) Coastal Aquaculture Authority (CAA)'s approval in-principle to take up the aquaculture activities

ii) No Objection Certificate from Andhra Pradesh Pollution Control Board (APPCB)

iii) Permission from the Forest Department for laying the seawater pipeline through the reserve forest land

iv) Permission for laying of sea water pipeline from the sea to the NFDB site from Andhra Pradesh Coastal Zone Management Authority (APCZMA).










Progress of the Work regarding the Development and Operation of Coastal Aquaculture Facility at Mulapolam

O. Outreach and Publicity of PMMSY and Promotion of Domestic Fish Consumption

NFDB has taken up various outreach activities such as webinars, outdoor campaigns, digital campaigns, mass media campaigns, publicity through electronic media, print media (books, posters, advertisements in magazines), social media (Facebook, YouTube), recipe competitions, virtual learning through Matsya Setu App, organizing workshops/ seminars such as Poshan Maha, Anadata Devo Bhava etc. with emphasis on nutrition value of fish and PMMSY activities. Further, NFDB developed 26 jingles and broadcasted it in 9 vernacular languages in 16 States for the promotion of domestic fish consumption and PMMSY. It has funded States and UTs to celebrate the 75 years of India's independence i.e., Azadi Ka Amrit Mahotsav (AKAM) and to organize fish festivals, events like World Fisheries Day - 2022 and National Fish Farmers Day - 2022 etc. Two songs on Sagar Parikrama and one song on Swatch Sagar Surakshit Sagar were released. Sagar Parikrama songs are now available in 9 vernacular languages. NFDB coordinated the successful completion of Sagar Parikrama in four phases (covering 19 locations in Gujarat, Damen and Diu, Maharashtra and Karnataka) and Swatch Sagar Surakshit Sagar at Andhra Pradesh, Chennai, Goa and Gujarat. A total of 48.70 lakh people has been reached out by these programmes.



Workshop in FIDF and Entrepreneurship Model under PMMSY at Guwahati



Vibrant Northeast at Guwahati

Northeast Krishi Kumbh at Barapani



Regional Livestock & Poultry Show at Guwahati



Emerging Northeast at Guwahati



Responsible Aquaculture & Sustainable Fisheries Interact at Agartala



Hindi Diwas & 2nd Official Language National Conference at Surat

P. Activities of NFDB-North-Eastern Regional Centre, Guwahati

NFDB-North-Eastern Regional Centre, Guwahati

NFDB established the North-East Regional Centre in 2014 at Guwahati, Assam, to co-ordinate the 8 North Eastern States of India for development of fisheries and aquaculture in the region. The Centre has been playing a pivotal role in conceptualizing and implementing the fisheries developmental activities in the region for extending financial assistance and by providing technical support, awareness programme, skill development training, workshops etc. under NFDB.

i) Workshop in FIDF and Entrepreneurship Model under PMMSY at Guwahati

ii) Vibrant Northeast at Guwahati Northeast Krishi Kumbh at Barapani

iii) Regional Livestock & Poultry Show at Guwahati Emerging Northeast at Guwahati

iv) Responsible Aquaculture & Sustainable Fisheries Interact at Agartala Hindi Diwas & 2nd Official Language National Conference at Surat

NFDB-Eastern Regional Centre, Bhubaneswar

NFDB-ERC was established at Bhubaneswar. The Centre coordinates with the States of Odisha, Chhattisgarh and West Bengal for obtaining the proposals under PMMSY and their scrutiny. The Centre is operating the National Freshwater Fish Brood Bank (NFFBB) set up in 2013 with the objectives to maintain genetically improved fish broodstock and to produce breeder seed along with its distribution to the accredited hatcheries. During the FY 2022-23, NFDB-Eastern Regional Centre (NFDB-ERC) - has disseminated improved fish seed varieties by supplying 107.7 crores (Spawn- 93%, Fry- 4% and Fingerlings- 3%) and 18,306.35 kg brood stock of Jayanti Rohu, Improved catla, Amur common carp, CIFA GI Scampi (Only Brood stock), Mrigal, Grass carp and Java Putti to hatchery operators and seed growers PAN India since its inception. In order to reach maximum beneficiaries for supplying quality seed and achieving higher production, it has now strengthened its distribution of seed by registering 70 network hatcheries in 14 states and 50 seed growers in 13 states across the country. NFDB has entered MoU with ICAR-CIFA for the supply of nucleus seed of GI scampi. ICAR-CIFA shall supply 70000 PL of GI scampi seed.

Q. Events organised by NFDB

(i) National Fish Farmers Day- 2022

NFDB celebrated the 25th National Fish Farmers Day in hybrid mode on 10th July 2022 at NFDB, Hyderabad. The programme was graced virtually by Dr Sanjeev Kumar Balyan, Honourable Minister of State for Fisheries, Animal Husbandry and Dairying from Muzaffanagar, Uttar Pradesh and Dr L. Murugan, Honourable Minister of State for Fisheries, Animal Husbandry and Dairying from Vellore, Tamil Nadu. More than 1000 fish farmers, aquapreneurs, fishers, professionals, officials and scientists from across the country participated in the event. Around 570 people from 30 States and UTs participated virtually and 50 people from 3 States viz., Andhra Pradesh, Karnataka and Telangana participated physically. Publicity of the programme was done through various social media platforms. The event was streamed live and was viewed by 580 people.

During the celebration, 4 posters (Page 32) aimed at reaching out to the general public on fish consumption and sustainable fish production were released by Dr Sanjeev Kumar Balyan and Dr L. Murugan, Honourable Ministers of State for

Fisheries, Animal Husbandry and Dairying. Shri. Jatindra Nath Swain, IAS, Secretary, Department of Fisheries, GoI launched the project on 'Assessment of pathogenic microorganisms along with nutrient and residual contaminant profiling in fish and aqua feeds' during the event (Page). A Memorandum of Understanding between NFDB and State Bank of India to facilitate FIDF and Entrepreneur Models scheme was also signed during the event.

(ii) World Fisheries Day- 2022

NFDB and DoF (GoI) celebrated the 'World Fisheries Day' on 21st November 2022 at Swami Vivekanand Auditorium, Daman. The event was conducted in two sessions, the inaugural and the technical session. More than 800 fishers, fish farmers including fisheries officials from different states/UTs physically attended in the event. 28 awards under various categories were given for the best performance in the fisheries sector that included cash award covering both government and private sectors. During the event, Gujarati version of 'Sagar Parikrama Song' was launched and 3 books brought out by CIFNET, 1 book by NFDB named 'Super Success Stories @ 100' (English and Hindi) and few books by DoF (GoI) such as Handbook on Fisheries Statistic-2022, Communication and Navigational Equipment on board fishing vessel, Defect rectification and maintenance of boat engine, Capacity building on monofilament long line fishing and handling of tuna on boards and posters on seaweed, Wealth from waste and value addition in English, Hindi and Gujarati were launched.



Dr. Sanjeev Kumar Balyan and Dr. L. Murugan, Ministers of State for Fisheries, Animal Husbandry and Dairying joins virtually for National Fish Farmers Day-2022 Celebration

(iii) Publication on 100 Success Stories 'SSS@75'

NFDB collected 134 success stories from 28 States and 6 Union Territories and picked the best success stories of 100 Nos and published 'SSS India@75; 100 Super Success Stories from Indian Fisheries' and the book was released in both Hindi and English languages on 21st November 2022, on the occasion of World Fisheries Day 2022. The book depicts the stories of successful fisheries and aquaculture activities carried out by individuals, FFPOs, SHGs, NGOs, and government organizations across India in recent years. The major successful fisheries activities by individuals or groups on integrated fish farming, ornamental fish culture and marketing, seaweed culture, shrimp hatchery, fish seed production, use of shrimp toilets, feed manufacturing, RAS culture, bio-floc culture, fish products preparation, seafood outlets, etc. Of the 100 stories, 31 stories have been based on women fish farmers, 31 based on marginal farmers /entrepreneurs, 10 based on SC fishers & 20 on stories pertaining to ST fish farmers and 8 stories based on SHGs.



Releasing of Posters during National Fish Farmers Day 2022 Celebration



Release of Publications during the World Fisheries Day- 2022

(iv) NFDB Achievements

India Agribusiness Award 2022

NFDB received 'India Agribusiness Award 2022' for its exemplary work in fisheries sector. The award was presented during the event "Agro World 2022- India International Agro Trade and Technology Fair- 2022" which organised from 9th to 11th November 2022 at Indian Agriculture Research Institute, Pusa Campus, New Delhi. Dr Chandrappagari Suvarna, IFS, CE, NFDB received the award for NFDB from Dr Sanjeev Kumar Balyan, Minister of State for Fisheries, Animal Husbandry and Dairying and Dr Ramesh Chand, Member, NITI Aayog. The event was organised by the Indian Chamber of Food and Agriculture (ICFA) with the support of the Government of India and several States and in technical collaborations with a large number of industry associations and international bodies with the objective of showcasing the development and modernization achieved by key stakeholders in major sectors like food, agriculture, horticulture, animal husbandry, fisheries and allied sectors.



NFDB received 'India Agribusiness Award 2022

Annexure-I

Details of trainings and other outreach activities funded by NFDB in the Financial Year 2020-21

NFDB Funded Programs for Organising -Training/ Video Conferences/Webinars (Rs. in Lakhs)

S. No	State /UT	IA	No. of Training programmes	No. of Beneficiaries	Amount sanctioned
1	Andhra Pradesh	CoF, Andhra Pradesh	10	1400	1.15
2	Chhattisgarh	DoF, Chhattisgarh	10	500	2.5
3	Himachal Pradesh	DoF, Himachal Pradesh	6	300	1.5
4	Meghalaya	DoF, Meghalaya	3	300	0.65
5	Tripura	DoF, Tripura	8	400	2
	Total		**37**	**2900**	**7.8**

NFDB Funded Programs for Organising -Training/ Video Conferences/Webinars (Rs. in Lakhs)

S. No	State /UT	IA	Implementing Agency	No. of Beneficiaries	Amount Sanctioned
1	Assam	FISHCOPFED, New Delhi	2	100	0.50
2	Tamil Nadu	DoF, Tamil Nadu	10	2500	12.50
3	Puducherry	DoF, Puducherry	4	1000	5.00
4	Kerala	DoF, Kerala	20	1000	5.00
5	Gujarat	DoF, Gujarat	4	1000	5.00
6	West Bengal	MANAGE, Hyderabad	1	50	0.25
7	West Bengal	NaCSA, Andhra Pradesh	3	150	0.75
8	Assam	NERC, Guwahati, Assam	4	1000	5.00
9	West Bengal	NFFBB, Bhubaneswar, Odisha	4	1000	5.00
	Total		**52**	**7800**	**39**

2020-21: Events & Workshops Status (Rs. in Lakhs)

NFDB Funded Programs for Organising -Training/ Video Conferences/Webinars (Rs. in Lakhs)

S. No	State / UT	IA	Type of Event	Targeted	Amount sanctioned
1	Virtual	Smart Agri Post & Aqua Post	Smart Aqua Expo India 2021	1500	7.67
2	Telangana	Telangana Matsya Karulu - Calendar	Calendar preparation	2000	0.19
	Total			**3500**	**7.86**

Annexure-II

Details of trainings and other outreach activities funded by NFDB in the Financial Year 2021-22

NFDB Funded Fish Festivals (1 day, 2 days, 3 days Fish Festivals) (Rs. in Lakhs)

S. No	State /UT	IA	No. of Beneficiaries	Amount
1	Sikkim	DoF, Sikkim	1200	5
2	Andhra Pradesh	CoF, AP	1000	5
3	Himachal Pradesh	DoF, HP	500	5
4	Madhya Pradesh	DoF, MP	200	5
5	Karnataka	DoF, Karnataka	150	5
6	Maharashtra	CIFE, Mumbai	1000	6
	Total		**4050**	**31**

NFDB Training Programs (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Odisha	NFFBB-NFDB, Bhubaneswar, Odisha	7	450	1.33
2	Assam	NERC-NFDB, Guwahati, Assam - ToT	22	1500	3.45
	Total		**29**	**1950**	**4.78**

NFDB Funded Training Programs to State/UTs (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Meghalaya	DoF, Meghalaya	10	1250	2.60
2	Mizoram	DoF, Mizoram	10	500	3.24
3	Sikkim	DoF, Sikkim	10	1250	4.24
4	Goa	DoF, Goa	10	950	3.00
5	Assam	DoF, Assam	17	2350	3.35
6	Rajasthan	DoF, Rajasthan	11	850	5.28
7	Arunachal Pradesh	DoF, Arunachal Pradesh	1	50	0.25
8	Maharashtra	DoF, Maharashtra	10	950	2.64
9	Punjab	DoF, Punjab	16	1550	4.64
10	Ladakh	DoF, Ladakh	4	200	2.10
11	Tamil Nadu	DoF, Tamil Nadu	20	2500	8.48
12	Himachal Pradesh	DoF, Himachal Pradesh	10	500	2.50
13	Bihar	DoF, Bihar	5	250	0.15
14	Manipur	DoF, Manipur	10	500	7.98
15	Karnataka	DoF, Karnataka	30	3000	15.00
16	Andaman & Nicobar	DoF, Andaman & Nicobar	16	440	6.51
17	Gujarat	CoF, Gujarat	2	100	4.47
18	Sikkim	DoF, Sikkim	4	400	2.01
	Total		**196**	**17590**	**78.40**

Training Programs to Fisheries Institutes, Colleges & Universities (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Chhattisgarh	College of Fisheries, Kawardha, Chhattisgarh	4	200	3.19
2	Kerala	School of Industrial Fisheries, Cochin University of Science and Technology, Kochi	8	400	7.10
3	Telangana	Fisheries Research Station (FRS), Khammam	10	500	6.33
4	Tamil Nadu	CAS IN MARINE BIOLOGY FACULTY OF MARINE SCIECNES, Annamalai University	4	200	3.19
5	Andhra Pradesh	SMVKR Fisheries Polytechnic, SVVU, Bhavadevarapalli	4	200	3.19
6	Tamil Nadu	TNJFU, Nagapattinam, Tamil Nadu	29	2370	10.07
7	West Bengal	ICAR-CIFRI, West Bengal	10	1080	2.50
8	Madhya Pradesh	College of Fishery Science, NDVSU, Jabalpur	12	890	1.67
9	Maharashtra	College of Fisheries (CoF), Dr. BSKKV, Dapoli, Ratnagiri	18	1550	3.01
10	Rajasthan	College of Fisheries, Udaipur	8	400	6.38
11	Jammu & Kashmir	College of Fisheries, SKUAST, Jammu & Kashmir University	18	2400	4.14
12	Kerala	CIFNET, Kochi	54	1080	60.74
13	Assam	Livestock Research Station, Assam Agricultural University, Mondira, Kamrup, Assam	3	150	2.39
14	Kerala	National Centre for Aquatic Animal Health, Cochin University of Science and Technology		1850	0.70
15	Telangana	NI MSME Hyderabad	6	300	0.60
16	West Bengal	KVK Dhaanyaganga	10	500	2.16
17	Andhra Pradesh	FRS Undi, Andhra Pradesh	7	350	2.30
18	West Bengal	MANAGE Aqua Doctor Solutions, West Bengal	3	300	0.37
19	Madhya Pradesh	MANAGE Rajeev Aqua Clinic, Madhya Pradesh	3	300	0.37
20	Tripura	AAHL College of Fisheries, Central Agricultural University, Lembucherra, Tripura	1	50	0.25
21	Andhra Pradesh	AAHL State Institute of Fisheries Technology, Kakinada	3	400	0.37
22	Manipur	AAHL Green Biotech Ecosolutions Pvt. Ltd, Manipur	3	300	0.37
	Total		**218**	**15770**	**121.39**

Training Programs to AOCs (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	West Bengal	REDC AOC, West Bengal	1	50	0.25
2	Odisha	Marsco Aqua Clinics Pvt. Ltd. (AOC), Balasore, Odisha	10	500	0.70
3	Manipur	Dr. Asem Sundari AOC	3	150	0.39
4	Karnataka	Spacos Inn AOC	3	150	0.39
5	Tamil Nadu	ISupport Farming AOC	3	150	0.75
6	Madhya Pradesh	MANAGE Adithya AOC, Madhya Pradesh	3	300	0.37
7	Madhya Pradesh	MANAGE Aqua Hut AOC, Madhya Pradesh	3	300	0.37
8	Manipur	MANAGE AquaOne Manipur	3	150	0.39
9	Tamil Nadu	MANAGE Jehovah Shamma AOC	3	150	0.39
	Total		**32**	**1900**	**4.0**

Annexure-III

Details of trainings programs funded by NFDB in the Financial Year 2022-23

NFDB Funded Training Programs to State/UTs (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Andhra Pradesh	Commissioner of Fisheries	26	1050	59.63
2	Chhattisgarh	Directorate of Fisheries, Chhattisgarh	10	500	12.68
3	Haryana	Directorate of Fisheries, Haryana	5	160	3.12
4	Himachal Pradesh	Director-cum-Warden of Fisheries, Himachal Pradesh	12	560	3.70
5	Jammu and Kashmir	Director of Fisheries	9	370	7.62
6	Jharkhand	Director Of Fisheries	6	60	5.70
7	Kerala	Directorate of Fisheries, Kerala	12	400	10.37
8	Madhya Pradesh	Directorate of Fisheries, Madhya Pradesh	16	1250	20.15
9	Meghalaya	Director of Fisheries	12	470	8.77
10	Mizoram	Directorate of Fisheries, Mizoram	17	785	10.41
11	Nagaland	Directorate of Fisheries & Aquatic Resource Nagaland	5	250	5.83
12	Puducherry	Director of Fisheries and Fishermen Welfare	9	270	5.57
13	Rajasthan	Directorate of Fisheries, Rajasthan	40	1920	17.06
14	Sikkim	Directorate of Fisheries, Sikkim	9	725	8.09
15	Tamil Nadu	Commissioner of Fisheries, Tamil Nadu - ITUS	24	1000	53.01
16	Tripura	Directorate of Fisheries	14	825	12.25
17	Uttar Pradesh	Directorate of Fisheries, Uttar Pradesh	105	4350	50.84
18	West Bengal	Director Of Fisheries	27	980	20.27
	Total		358	15925	315.06

Training Programs to Fisheries Institutes, Colleges & Universities (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Andhra Pradesh	KVK Pandirimamidi	3	70	3.75
2	Andhra Pradesh	KVK-Ghantasala	6	180	2.13
3	Andhra Pradesh	Fisheries Research Station, Kakinada	5	265	5.83
4	Assam	NERC, Guwahati	1	50	0.25
5	Chhattisgarh	KVK-Raipur	4	100	2.95
6	Delhi	FISHCOPFED	40	4000	20.00
7	Himachal Pradesh	Dr. G.C. Negi College of Veterinary and Animal Sciences	4	300	3.77
8	Karnataka	College of Fisheries-Mangalore	6	300	8.30
9	Karnataka	FRIC(I), Hesarghatta	4	200	5.53
10	Kerala	CIFNET, Kochi	28	900	0.00
11	Madhya Pradesh	KVK Raisen, Bhopal	2	50	1.45
12	Madhya Pradesh	Chief General manager, MP Fisheries Federation Ltd	6	225	10.13
13	Manipur	ICAR-Research Complex for Northeast region	1	25	1.15
14	Mizoram	ZOFISFED	4	200	5.53
15	New Delhi	FISHCOPFED	660	132000	49.50
16	Odisha	NFFBB	2	200	1.00
17	Odisha	NFFBB	2	100	2.50
18	Odisha	NFFBB	1	100	0.50
19	Punjab	KVK Barnala	4	100	2.53
20	Tamil Nadu	Madras Christian College	8	360	8.56
21	Tamil Nadu	MRS of CMFRI, Chennai	2	50	4.20
22	Telangana	Telangana State Fishermen Cooperative Societies Federation Ltd.	10	250	11.45
23	Telangana	KVK-Bellampalli	2	50	1.63
24	Telangana	KVK-Mamnoor	4	100	2.71
25	Uttar Pradesh	KVK-Gautam Budha Nagar	3	75	2.03
26	West Bengal	Vidyasagar University, West Bengal	4	200	5.53
27	West Bengal	KVK-Sasya Shyamala	5	150	4.36
28	West Bengal	Neotia-University	4	200	5.33
29	West Bengal	KVK Dhanya Ganga	10	300	4.75
	Total		**835**	**141100**	**177.33**

Annexure-IV

Details of trainings and other outreach activities funded by NFDB under SCSP in the Financial Year 2021-22

NFDB Funded Training Programs to State/UTs (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Andhra Pradesh	CoF, Andhra Pradesh	30	1300	26.85
2	Chhattisgarh	DoF, Chhattisgarh	10	500	12.5
3	Maharashtra	CoF, Maharashtra	6	360	5.87
4	Jammu & Kashmir	CoF, SKUAST, Jammu & Kashmir	3	150	3.75
5	Telangana	CoF, Telangana	22	615	24.755
6	Karnataka	DoF, Karnataka	24	2200	15
7	Madhya Pradesh	DoF, Madhya Pradesh	8	650	6.25
	Total		103	5775	94.98

Training Programs to Fisheries Institutes, Colleges & Universities (Rs. in Lakhs)

S. No.	State/UT	IA	No. of Programmes	No. of Participants	Amount sanctioned
1	Assam	AAU, Raha, Assam	6	300	7.5
2	Andhra Pradesh	APSSDC, Andhra Pradesh	60	3000	75
3	Telangana	CIPS, Hyderabad, Telangana	10	300	50.04
4	Himachal Pradesh	DGCN COVAS, Himachal Pradesh	1	50	1.25
5	Karnataka	FCRI, Hebbal, Karnataka	12	800	12
6	Karnataka	FCRI, Vijaya Pura, Karnataka	12	1000	9
7	New Delhi	FISHCOPFED, New Delhi	40	4000	20
8	Telangana	Fisheries Research Station, PVNR TVU, Palair, Telangana	4	120	4.74
9	Andhra Pradesh	FRS, SVVU, Undi, Andhra Pradesh	5	250	6.25
10	Manipur	KVK, Andro, Manipur	2	100	2.5
11	Karnataka	KVK, Belagavi, Karnataka	6	400	6
12	Manipur	KVK, Bishnupur, Manipur	4	200	5
13	Karnataka	KVK, Raichur, Karnataka	5	150	5.925
14	Chhattisgarh	KVK, Raipur, Chhattisgarh	4	120	4.74
15	Tripura	KVK, South Tripura	5	250	6.25
16	West Bengal	KVK, Sasyashamala, West Bengal	10	500	12.5
17	Tamil Nadu	M.S. Swaminathan Research Foundation, Mayiladuthurai, Tamil Nadu	11	550	3.60894
18	Telangana	MANAGE, Hyderabad, Telangana	115	4750	110.775
19	Karnataka	Mangaluru CoF, Karnataka	5	150	5.925
20	Assam	NERC Guwahati	10	500	12.5
21	Odisha	NETFISH - Odisha	25	1250	6.25
22	Kerala	NETFISH-MPEDA, Kochi, Kerala	62	3100	16.595
23	Odisha	NFFBB, Bhubaneswar	6	360	5.87
24	Telangana	NI MSME, Hyderabad, Telangana	30	750	116.55
25	Tamil Nadu	TNJFU, Tamil Nadu	31	2060	30.37
	Total		**481**	**25010**	**537.14**

State-wise details of fishermen insured under the sub-component of Group Accident Insurance of the PMMSY Scheme: 2021-22 to 2022-23

S No.	NAME	Year 2021-22	Year 2022-23
1	ARUNACHAL PRADESH	0	837
2	ASSAM	154987	155000
3	BIHAR	150000	150000
4	CHHATISGARH	220340	220495
5	GOA	0	4061
6	GUJARAT	41273	99964
7	HARYANA	1798	1814
8	HIMACHAL PRADESH	13060	11874
9	JHARKHAND	160000	164000
10	KARNATAKA	43091	78983
11	MADHYA PRADESH	0	117499
12	MAHARASHTRA	0	100739
13	MANIPUR	2383	3383
14	MEGHALAYA	0	1013
15	ODISHA	1150000	1150000
16	PUNJAB	2985	3120
17	RAJASTHAN	4350	4857
18	SIKKIM	363	599
19	TAMILNADU	523237	543949
20	TELANGANA	336799	306857
21	TRIPURA	5000	7085
22	UTTARAKHAND	2086	2101
23	UTTAR PRADESH	27244	102850
24	WEST BENGAL	0	8499
25	ANDAMAN & NICOBAR	13022	14000
26	DAMAN & DIU	7393	7447
27	DELHI	250	251
28	JAMMU & KASHMIR	18742	23026
29	LADAKH	47	49
30	LAKSHADWEEP	2900	2307
31	PUDUCHERRY	30238	34200
	TOTAL	**2911588**	**3320859**

2. Central Institute of Fisheries Nautical and Engineering Training (CIFNET)

Background

The Government of India, in 1959 constituted a committee on "Fisheries Education", for assessing the manpower requirement and to suggest measures for providing trained manpower for boosting the fishery developmental activities. CIFNET, the erstwhile Central Institute of Fisheries Operatives (CIFO), was thus established in 1963 at Kochi on the recommendation of above committee to meet the trained manpower needs of ocean-going fishing vessels and that of fisheries industry. Subsequently, a unit of CIFNET was established in Chennai in 1968 and another unit at Vizag in 1981 to cope up with the additional requirements due to expansion of fishing fleet/industry of the country. Since then, CIFNET is serving the nation by creating trained manpower needed for manning the fishing vessels.



CIFNET HQ, KOCHI



CIFNET UNIT CHENNAI



CIFNET UNIT VIZAG

Mandate of the Institute

a) To create technical manpower for the operation of Ocean going /Deep Sea fishing vessels.

b) To create trained manpower to manage fishery establishments.

c) To provide training for technical teachers for manning the fishermen training centres attached to Maritime States and Union Territories.

d) The Institute has also expanded its mandate for training the fishermen of the coastal states and Union Territories through capacity building training programme under Blue Revolution/Pradhan Mantri Matsya Sampada Yojana (PMMSY).

e) To conduct studies on fishing craft, fishing gears and equipment's and provide extensive training to accelerate advancement in fishing technology for enhancing productivity of fishermen and increasing marine fish production.

f) To help developing nations in the South-east Asian, Middle east and African regions to create technical manpower for development of Marine Fisheries.

Roles and Responsibilities

To impart quality training to upgrade skills, prevent obsolescence, develop healthy constructive attitude with focus on competitiveness to meet the challenges of the fishing and the mercantile marine fields.

Institute organized training in the field of Fishing gear technology & fishing Technique, Seamanship & Navigation, Marine Engineering, Refrigeration, and Electrical engineering & Electronics that are being conducted at CIFNET since its inception at Cochin during 1963 and the subsequent Units at Chennai (1968) and Visakhapatnam (1981). The training with the emphasis on practical learning imparted through various regular and short-term courses are as follows.

The Institute conducts various courses such as

a) Bachelor of Fisheries Science (Nautical Science) of 4-year duration, approved and affiliated by Cochin University of Science & Technology, Kochi recognized by UGC.

b) Two trade courses, Vessel Navigator Course (VNC) & Marine Fitter Course (MFC) of 2 years duration, approved by Ministry of Labour, affiliated to National Council for Vocational Training (NCVT).

c) Short term training programmes for fishermen of coastal states under PMMSY through outreach and in-house programmes.

d) Short term training programmes for Training of Trainers (TOT) of officials from sister organizations, fisheries departments of the States Govt. and short-term course for Coast Guard officials and students from VHSS and professional colleges.

e) Ancillary course "Shore Mechanic Course (SMC)" of 1 year duration for the sponsored candidates.

f) Statutory course namely Elementary Fishing Technology Course (EFTC), and Advanced Fishing Technology Course (AFTC) are conducted as per the demand. EFTC is mandatory for appearing for the Mate Fishing Vessel Examination for Non-CIFNET (Private) candidates. The Advanced Fishing Technology Course (AFTC) is mandatory for appearing for the Skipper Grade II Fishing Vessel Examination conducted by MMD.

Details of training conducted in CIFNET

S.No.	Course	Duration
1	BFSc (Nautical Science) (Affiliated to CUSAT)	4 years
2	Vessel Navigator Course (NCVT)	2 years
3	Marine Fitter Course (NCVT)	2 years
4	Shore Mechanic Course	1 year
5	Elementary Fishing Technology Course (Statutory course)	2 months
6	Advanced Fishing technology Course (Statutory course)	2 weeks
7	Fishing technology for Coast guard officers	1 week.
8	Short term courses on Fishery Technology, Marine Engineering, Refrigeration & Electronics, Nautical Science for fishermen, students at College and Vocational Higher secondary.	Tailor made
9	Special training course for National & Overseas candidates	Tailor made

Infrastructure facilities at CIFNET

The Institute is well equipped in all the three centres with office buildings, 3 hostels for students, classrooms, laboratories, simulators, workshops, fishing gear labs and associated facilities for imparting effective training.

In order to provide onboard practical training for institutional trainees and for providing qualifying sea service for Post Institutional trainees of the Institute, CIFNET is equipped with three fishery training vessels. All the three fishery-training vessels of the Institute

are deployed for conducting the regular fishery training operations. The Major Specifications and details of Fishery Training Vessels are as given below.

Name of Vessel	LOA (M)	BHP	GRT	Year built	Place	Endurance days	Type of fishing	Base
M.V. Prashikshani	34.0	750	211.99	1980	Japan	20	Tuna long lining, trawling and gillnetting	Kochi
M.V. Skipper-II	28.3	600	174.82	1979	Denmark	10	Trawling and long lining	Chennai
M.V. Tharangini	24	500	151	1995	India	15	Trawling and long lining	Visakhapatnam



M.V. Prashikshanic



M.V. Tharangini



M.V. Skipper-II



Classroom



Marine Engineering Workshop



Onboard Navigation Training



Students at Microbiology Lab



Navigation Simulator



Fishing Gear Hall



Smart Classroom



Computer Lab

Role of CIFNET for successful implementation of PMMSY.

CIFNET is the only national institute of its kind with the major objective of creating trained manpower for Deep Sea Fishing for the operation of Ocean going /Deep Sea fishing vessels. Along with other objectives, the Institute has also expanded its mandate for training the fishermen of the coastal states/Union Territories through capacity building training programme under Blue Revolution.

This institute can take up training requirements towards achieving the objectives of PMMSY as follows:

a) Towards development of deep-sea fishing, CIFNET will contribute through conducting training for fishermen in resource specific fishing techniques such as mono filament long lining for capturing oceanic tuna. CIFNET has been conducting fishermen training Viz. Capacity Building in deep sea fishing and onboard handling of tuna under blue revolution scheme funded by NFDB.

b) Towards strengthening of safety and security of fishers at sea, CIFNET will conduct short term training to fishermen on the aspects of rule of the road, safety equipment's, weather warning systems and electronic communication equipment's and Monitoring Control and Surveillance (MCS).

c) Towards harnessing fisheries potential in a sustainable and responsible manner CIFNET will conduct training on square mesh code ends fabrication for trawl net which promotes juvenile escapement / reduction of post-harvest costs.

d) Towards improving quality of fish production, training on hygienic handling of fish onboard and at landing centres / harbours are being conducted.

e) Support for acquaint of advanced technology of fishing vessel for fishermen in order to promote deep sea fishing.

f) Support for upgradation of fishing vessel for improving manning competitiveness.

Key Achievements Since Inception of CIFNET.

Significant Contributions made to Fisheries Sector since Inception of CIFNET

a) Development of Skilled Manpower for Deep Sea fishing vessels.

b) Construction and Introduction of Ferro cement boats.

c) Energy conservation in fishing vessel by introducing Kort Nozzle.

d) Location of Tuna grounds and training personnel on Tuna Long line Technique.

e) Demonstration of Shrimp trawling using resource specific fishing gear.

f) Conducted experiments with Turtle Excluding Device (TED) on Trawl nets operated off Orissa (Puri) coast.

g) Study on the usage of LPG as fuel on Outboard Motor operated in traditional fishing sector

h) Capacity building in Deep Sea fishing on Mono filament long lining and onboard handling of tuna for Fishermen.

I) Training of Fishermen through outreach programme.



Flagship Programmes

Skilling fishermen under PMMSY by CIFNET

Pradhan Mantri Matsya Sampada Yojana (PMMSY) scheme is a central sector scheme which aims to bring about the Blue Revolution through sustainable and responsible development of the fishery sector in India and it was a breakthrough for the upliftment of the fishermen. PMMSY is designed to address various critical gaps in the fishery industry. Towards achieving the goals of PMMSY scheme, Central Institute of Fisheries Nautical & Engineering Training (CIFNET) conducted various training programmes for the fishermen in order to address some of the critical gaps in the fishery sector as listed below:

a) Safety, security, and welfare of fishermen

b) Enhancing production and productivity

c) Enhancing processing and value addition

In this regard, CIFNET constituted a taskforce to reach out to the fisher folk all over India. Accordingly CIFNET has designed various training programmes under PMMSY such as 'Capacity Building in Deep Sea Fishing and Onboard handling of Tuna', 'Defect Rectification & Maintenance of Boat Engine and Fishing Practice', 'Life Saving Appliances and Safety at Sea', 'Communication and Navigation Equipment onboard Fishing Vessel', 'Hygienic Handling and Preservation of Catch onboard fishing vessel', 'Basic of Seamanship, Navigation, Marine Electronic Equipments & Maintenance of Engines', 'Capacity Building in Monofilament Longline and Tuna Handling' for various coastal states and UTs. The first capacity building programme was conducted by training 97 fishermen in 2017 at Chennai. The same has been continued to various places in UT of Andaman & Nicobar Islands namely, Junglighat, Guptapara, Panighat, Nimbutala Rangat, Mayabandar, Diglipur, Car Nicobar, Cambell Bay for 385 fishermen. The skill development programmes were conducted in UT of Puducherry at Karaikal, Mahe, Yanam and Puducherry for 396 fishermen. 280 fishermen were benefitted through the CIFNET training programme under PMMSY at Paradeep, Dhamara, Balaramgadi, Astaranga, Pentakota, Gopalpur in Odisha. CIFNET further conducted outreach training programmes for 191 fishermen of Visakhapatnam, Vizianagaram, Kakinada, Nizampatnam, Baptla in Andhra Pradesh. Apart from the above, CIFNET

extended skill development training programmes, in various maritime states like Gujarat (35), Maharashtra (36), Kerala (1174), Tamil Nadu (2127) and Andhra Pradesh (995).

During the course, the fishermen are given intensive training onboard institute training vessel by demonstrating the longline operation, Tuna handling, application of the Navigational and communication equipment's, vessel monitoring system, utilizations of life saving and safety equipment's in order to make them competent to handle deep sea fishing operation.

More than 3000 fishermen were benefited through various in-house and outreach skill development training programmes conducted by CIFNET during the last 3 years.



Tuna handling for Sashimi grade



Boat engine repair and troubleshooting



Long line operation onboard fishing vessel



Demonstration of safety appliances onboard

Bachelor of Fisheries Science (Nautical Science) – BFSc (NS)

BFSc (NS), a four-year professional degree course has commenced during 2005 with intake capacity was initially fixed as 22/year and subsequently increased to 33, 36 and now 40/year. The course is mainly concerned with study of Fisheries, Nautical Science, and Operation of Fishing Vessels etc. This degree is affiliated to Cochin University of

Science & Technology (CUSAT), Kochi. The course is duly recognised by University Grants Commission (UGC) and D G Shipping, Mumbai. The selection of the candidates for this course is through All India Common Entrance Examination conducted by CIFNET.

Career prospects of BFSc (NS) students

a) Eligible to appear for Certificate of Competency (CoC) examinations of Mate Fishing Vessel and subsequently for Skipper Fishing Vessel conducted by Mercantile Marine Department (MMD) after acquiring required sea service.

b) Eligible to apply for various posts under the Kerala Fisheries subordinate service like Assistant Fisheries Extension Officer, Project Officer, Fisheries Assistant in Kerala State Fisheries Department as per the Kerala Gazette Notification G.O(P) No.16/2020/F&P dated 24.06.2020.

c) Eligible to apply for the post of Instructor (Seamanship & Navigation), CIFNET.

d) The passed-out candidates are employed with CMFRI, CIFT, CIBA, Customs etc.

Vessel Navigator Course (VNC)/ Marine Fitter Course (MFC)

Vessel Navigator Course (VNC) and Marine Fitter Course (MFC) framed under Craftsman Training Scheme (CTS) of National Council of Vocational Training (NCVT), recognized by DGT, MSDE, New Delhi with NSQF Level 5. The courses are designed by CIFNET and commenced from 2006 with intake capacity of 16/year per batch and subsequently increased to 20/year per batch now. The selection of the candidates for this course is through All India Common Entrance Examination conducted by CIFNET. On completion of these courses, they are eligible to undergo post-institutional training like Junior Deckhand/Engine Room Assistants/Apprenticeship Fitter. Thereafter they are eligible for appearing Certificate of Competency (CoC) examinations of Mate of Fishing Vessel, Skipper Fishing Vessel, Engine Driver Fishing Vessel, and Engineer Fishing Vessel conducted by Mercantile Marine Department (MMD) after acquiring required sea service.

Career prospects of VNC/MFC trainees

Employed with CIFNET, FSI, CIFT, UT of Lakshadweep, IOC, Port Trust, Customs, ITBF, Naval Dockyards, L&T etc. in various categories.

3. National Institute of Fisheries Post-Harvest Technology (NIFPHATT)

Background


NIFPHATT, KOCHI

The history of National Institute of Fisheries Post-Harvest Technology and Training (NIFPHATT) dates back to October 17th 1952 when a tripartite agreement was signed by the Government of India, Government of Norway and the United Nations which resulted in the establishment of Indo-Norwegian Project (INP) for fisheries, area and fishermen community development at Neendakara in Quilon, Kerala. In 1963 the facilities developed at Neendakara, Kannur, Karwar and Mandapam were handed over to the respective State Fisheries Department and the Headquarters was shifted to Kochi. On the expiry of the agreement with Govt. of Norway in 1972, the administration of the project was completely taken over by the Govt. of India and the project was renamed as Integrated Fisheries Project (IFP)under then Ministry of Agriculture. As per the recommendations of cadre review committee, certain divisions of the Institute were transferred to sister organizations, mandates were modified and IFP was renamed as National Institute of Fisheries Post-Harvest Technology and Training (NIFPHATT) during the year 2008.

Mandate

The current mission of NIFPHATT is to take up the new challenges and opportunities in the fisheries sector such as post-harvest technology upgradation and dissemination, human resource development, gender development, relief and rehabilitation programmes for the fishermen communities and consultancy in fisheries infrastructure and post-harvest technology.

The mandates of NIFPHATT are as follows:

a) Post-harvest technology upgradation and its transfer to beneficiaries such as rural fishermen community, small scale industries, Export Processing Houses, and students through consultancy, job work and training.

b) Value added product development by way of process and product diversification from all varieties of fish including low value, unconventional species and seasonally abundant fishes. Such efforts make fish more appealing to the consumers thereby attracting more populace into fish eating.

c) Making fish into more convenient forms is beneficial to urban folks.

d) Imparting training in the field of post-harvest technology, refrigeration technology, quality control and value-added products.

e) Skill upgradation programmes help the stake holders to be self-reliant on economic point of view. Reduction of post-harvest lose is the added advantage.

f) Providing consultancy services and training for rural development programmes/ women empowerment programmes in fish processing, supporting local fish farmers, self-help groups of fisher community, fishermen's co-operative societies functioning under Panchayati Raj Institutions.

g) Popularisation and test marketing of value-added products from fish varieties including low value, unconventional species, and seasonally abundant fishes.

h) Extension of the activities through popularization and test marketing of value-added products to new areas and develop markets in all states in a phased manner with added attention to rural areas and enthusing entrepreneurs to enter sea food processing industry.

Roles and Responsibilities

Mandate of the Institute warrants certain roles to play in the fisheries post-harvest and training sector in national fisheries development in general. Providing feasible methods/techniques in reducing fisheries postharvest losses -both on-board and onshore by utilizing all the varieties of fish landed and development of novel / convenient products to enthuse more populace into fish-eating habits. This in turn will augment the returns of all stakeholders particularly the primary producers (both from

capture and culture fisheries). Thus, the responsibility of the Institute is to achieve this goal by equipping the stakeholders through their skill development, creating awareness, and popularising such methods.

Major achievements of NIFPHATT during the year 2022-23 at a glance

S. No	Processing Division	Target	Achievement
	Processing Activities		
1	Fish processing (Tonnes)	150.00	134.18
2	Fish product developed (Tonnes)	100.00	99.03
3	No. of Cans Produced	50000	18420
	Marketing Activities		
1	Test marketing of fish and fishery products (Tonnes)	100.00	148.98
2	Revenue from test marketing of fishery products	100.00	135.22
	Training Activities		
1	Number of trainees trained	500	1410
2	Number of trainees days completed	8000	9772
3	Revenue realised from training (Rs. in lakhs)	4.00	10.17
II. Financial Expenditure (Rs. in lakhs)		**940.30**	**1065.48**
III. Revenue Realized from all Sources (Rs. in lakhs)		**120.00**	**203.27**

Flagship Programs

Human Resource Development

Training Section of NIFPHATT is ever committed towards skill up-gradation in the field of fisheries post-harvest technology. Institute's training programmes are primarily aimed at personals employed in fishing and fish processing industry with special emphasis to Fishermen/fisherwomen/SHG's. NIFPHATT also plays a vital role in equipping future generation with know-how on Good Manufacturing Practices by providing hands-on training in all aspects of fisheries post-harvest technology. On-job training and In-plant training for students pursuing specialised education in the field of fish/food processing is a flagship programme of the Institute. Processing plants and lab of the Institute serves as an apt venue for hands-on training in fish processing and quality assurance. In addition to these, Institute also offers specialized training programmes such as hygienic handling and high-end product development from seafood, on-board and onshore handling of sashimi tuna, microbiological analysis of seafood, VHSE apprenticeship training, HACCP concepts and canning technology of

seafood. During the period under report a total of 1410 trainees attended different training programmes offered by the Institute.

Under Pradhan Mantri Matsya Sampada Yojana scheme, a total of 298 fisherfolks were trained at this Institute on various aspects such as value-added fishery products, processing of shrimp and other commercially important fishes, hygienic handling of fish on-board. The details of beneficiaries under PMMSY scheme are detailed as follows.

Training to Fisherfolks under PMMSY scheme at NIFPHATT, Kochi

Batch	From	To	No. of participants
Training on Value Added Fishery Products			
Batch 1	27.09.2022	29.09.2022	30
Batch 2	02.02.2023	04.02.2023	23
Batch 3	08.02.2023	10.02.2023	25
Batch 4	14.02.2023	16.02.2023	23
Batch 5	22.02.2023	24.02.2023	27
Batch 6	01.03.2023	03.03.2023	26
Batch 7	08.03.2023	10.03.2023	45
Training on Processing of Shrimp and other commercially important fishes			
Batch 8	15.03.2023	17.03.2023	27
Training on hygienic handling of fish on-board			
Batch 9	16.03.2023	16.03.2023	49
Batch 10	24.03.2023	24.03.2023	23
Total			**298**

The other beneficiaries of NIFPHATT's training programme consisted of fisherwomen/SHG, officials from Government organizations, students from various Universities/colleges/schools and representatives from industry.

On-job training for University/VHSE students

These programmes are designed to provide hands-on experience to students specialised in fish/food processing and allied areas. The training extends insight into the practical aspects of fisheries post-harvest technology. During the period under report, 777 students from various Universities/Colleges/Vocational Higher Secondary Schools attended on-job programme at NIFPHATT, Kochi. Among them, 655 students were from universities and colleges and 122 students were from Vocational Higher Secondary Schools.

Product Development Programmes for Fishers

a. Value Added Product Development from Clam meat

Clams are one of the widely distributed bivalve resource and Kerala has one of the country's richest clam resource bases. They offer an exceptional range of nutrients. The average protein and fat content in clam is found to be 14.4 and 7.8%, respectively. The black clam, Villoritacyprinoides, is the most important clam species landed in India. The State of Kerala has been, by far, the leading producer of the species.

Development of diversified value-added products from clam will provide an excellent opportunity for socio-economic upliftment of the community involved. With this objective NIFPHATT Kochi conducted a training on Value Added Product Development from clam meat for 13 fisherwomen from Vaikom area of Kottayam District. The programme was organized by St. Xavier's College, Vaikom from 02.08.2022 to 03.08.2022. During the programme, trainees were instilled with the technology for developing various value-added fishery product from clam viz. wafer, pickle, cutlets, roll, samosa and vada with due emphasis on hygienic handling of the commodity.

b. Value Added Product Development from Seafood

i) Trivandrum

NIFPHATT, Kochi conducted three days training programme for 23 fisherwomen from Adimalathura, Trivandrum from 30.08.2022 to 01.09.2022. The programme was organised by Trivandrum Social Service Society (TSSS), Vellayambalam, Trivandrum. During the training, participants were enlightened on the importance of hygienic handling while handling a highly perishable commodity

like seafood. Trainees were also equipped with the knowhow for producing various seafood value added products such as cutlets, pickles, wafers, mixture, fingers, rolls, samosa, fish curry, fish pollichathu, dried prawns with spices, prawn chutney powder etc.

ii) Ernakulam, Thrissur and Alappuzha

NIFPHATT, Kochi conducted three days training programme for 30 fisherwomen from Ernakulam, Thrissur, and Alleppey District of Kerala at Headquarters from 27.09.2022 to 29.09.2022. The programme was organised by NIFPHATT in association with National Institute of Fisheries Administration and Management (NIFAM) under the funding of National Fisheries Development Board (NFDB), Hyderabad.





iii) Ernakulam

NIFPHATT, Kochi conducted three days training programme on value added product development from seafood for 10 fisherwomen from Nayarambalam, Ernakulam, Kerala, from 18.10.2022 to 20.10.2022. The programme was organised by NIFPHATT in association with Nayarambalam Service Co-Op. Bank.





iv) Visakhapatnam

Thirty-three fisherwomen sponsored by DHAN Foundation, Visakhapatnam had successfully completed the training programme on development of value-added fish and fishery products from low and underutilized fish resources and Cold Chain marketing from 04-05-2022 to 06-05-2022.

Capacity building programs for entrepreneurs from Mumbai, Maharashtra

NIFPHATT, Kochi conducted three days training programme on hygienic handling and value-added product development from seafood during 28.03.2023 to 30.03.2023. 24 trainees from Blue Ocean Fish Cluster Palghar Foundation, Maharashtra attended the programme.





Short-term training on hygienic handling of fish on-board

NIFPHATT, Kochi conducted short-term training on hygienic handling of fish on-board on 16.03.2023 at Neendakara, Quilon. 49 fisherfolks attended the programme. Second batch of the programme was conducted on 24.03.2023 at Headquarters; 23 fishermen attended the programme. The programme was organised by NIFPHATT in association with National Institute of Fisheries Administration and Management (NIFAM) under Pradhan Mantri Matsya Sampada Yojana. Faculties from the Institute handled theory classes and a fully-fledged demonstration of the steps to be carried out for production of sashimi grade tuna. Fishermen were educated on the importance of sashimi, on-board handling, and storage practices to be followed right from the point of catch to export.





4. Central Institute of Coastal Engineering for Fishery (CICEF), Bengaluru

Background

The Institute was established in January,1968 as Pre-investment Survey of Fishing Harbours (PISFH) by the Ministry of Agriculture, Government of India in collaboration with Food and Agriculture Organisation of the United Nations (FAO/UN). The primary objective of establishing the Institute is to carry out engineering and economic investigations and prepare techno-economic feasibility reports for the development of fishery harbours at suitable sites along the Indian coast to provide fishery harbour facilities to Mechanized Fishing Vessels (MFVs). After the cessation of the FAO/UN assistance, the Institute received technical assistance in the form of equipment and expert consultancy services from Swedish International Development Agency (SIDA) for a period of 2 years from January 1974. In August 1983, PISFH was renamed as Central Institute of Coastal Engineering for Fishery (CICEF) and its technical expertise was further developed in the subsequent years and from August 1983, the Institute is also catering to the requirements of Aquaculture Engineering for development of Coastal Aquaculture Farms along the Indian coast. The Institute received UNDP/FAO assistance in the form of equipment and consultants from 1986 to 1991 for the development of coastal aquaculture farms.

Mandate

The mandate of the Institute is to assist the Government of India in conducting the necessary economic and technical studies to identify priority sites for development of fishing harbours (FHs) and fish landing centres (FLCs) along the Indian coast.

Roles and Responsibilities

a) To carry out reconnaissance surveys/pre-feasibility studies to identify priority sites for development of fishery harbours, follow it up by detailed engineering and economic investigations and prepare techno-economic feasibility reports.

b) To prepare preliminary construction plans and supporting facilities etc., for fishery harbours.

c) To give technical advice on engineering and economic aspects wherever required for the development of fishery harbours and fish landing centres.

d) To monitor the progress of construction of ongoing fishery harbours and fish landing centres sanctioned under the Centrally Sponsored Scheme in association with the Ministry of Fisheries, Animal Husbandry and Dairying.

Key achievements since inception or a common period across all institutes, supported by visuals such as photographs of events, pictorial representation in form of timeline, etc.

The Institute, till end of December 2022 has carried out investigations at 104 sites and prepared project reports for 122 (including revised) for the development of Fishery Harbours/Fish Landing Centres.

State-wise Techno Economic Feasibility Report (TEFR) prepared by CICEF; Bengaluru

S. No	State/ UT	Techno Economic Feasibility Report in Numbers		
		Fishing Harbour	Fish Landing Centre	Total
1	Gujarat	11	0	11
2	Maharashtra	19	0	19
3	Daman & Diu	2	2	4
4	Goa	3	0	3
5	Karnataka	15	1	16
6	Kerala	3	0	3
7	Puducherry	9	3	12
8	Tamil Nādu	17	1	18
9	Andhra Pradesh	11	3	14
10	Odisha	10	0	10
11	West Bengal	4	0	4
12	Andaman& Nicobar Islands	2	4	6
	Total	**106**	**14**	**120**

State-wise Projects of Fishing Harbour and Fish Landing Centres

1. Gujarat

Fishing Harbour

S. No	Year	Project
1	1975-76	Mangrol
2	1975-76	Veraval
3	1976-77	Porbandar
4	1982-83	Shivarajpur
5	1985-86	Jakhau
6	1993-94	Okha (Deep Sea)
7	1997-98	Okha (minor)
8	2000-01	Dholai
9	2004-05	Dholai (Rev)
10	2004-05	Okha (Rev)
11	2008-09	Badeli Jagalala

2. Maharashtra

Fishing Harbour

S. No	Year	Project
1	1970-71	Ratnagiri
2	1970-71	Jaigarh
3	1971-72	Dighi
4	1971-72	Dahanu
5	1971-72	Satpati
6	1976-77	Agardanda
7	1981-82	Satpati
8	1982-83	Revas
9	1984-85	Deogad
10	2002-03	Deogad
11	2005-06	Deogad (Rev)
12	2005-06	Deogad (Rev)
13	2007-08	Deogad (Eco) (Rev)
14	2008-09	Ratnagiri Stage II
15	2010-11	Karanja
16	2012-13	Ratnagiri Stage II (Rev)
17	2014-15	Sassoon Dock, Mumbai
18	2016-17	Revised TEFR-Deogad
19	2017-18	Versova

3. Daman & Diu

Fishing Harbour

S. No	Year	Project
1	1998-99	Vanakbara
2	2005-06	Vanakbara (Rev)

Fish Landing Centre

S No	Year	Project
1	1998-99	Ghoghla
2	2005-06	Ghoghla (Rev)

4. Goa

Fishing Harbour

S No	Year	Project
1	1975-76	Karanzalen
2	1996-97	Malim
3	2004-05	Vasco Bay

5. Karnataka

Fishing Harbour

S No	Year	Project
1	1970-71	Malpe
2	1970-71	Honnavar
3	1977-78	Mangalore
4	1978-79	Karwar
5	1980-81	Tadri
6	1996-97	Mangalore Stage II
7	1998-99	Gangolli
8	1999-00	Amadalli
9	2010-11	Mangalore StageIII
10	2010-11	Malpe Stage III
11	2010-11	Honnavar Stage II
12	2013-14	Kulai (NMPT)
13	2013-14	Hejamadikodi
14	2014-15	Keni
15	2017-18	Uppunda Madikal

Fish Landing Centre

S No	Year	Project
1	1985-86	Alvekodi

6. Kerala

Fishing Harbour

S No	Year	Project
1	1972-73	Neendakara
2	1982-83	Puthiappa
3	2007-08	Kasargod (Eco)

7. Puducherry

Fishing Harbour

S No	Year	Project
1	1981-82	Pondicherry
2	1997-98	Karaikal
3	2001-02	Karaikal (Rev)
4	2005-06	Mahe
5	2005-06	Karaikal (Rev)
6	2008-09	Yanam
7	2008-09	Yanam (Revised)
8	2018-19	Karaikal Stage II
9	2018-19	Thengaithittu Upgradation

Fish Landing Centre

S No	Year	Project
1	2018-19	Periyakalapet
2	2018-19	Nallavadu
3	2018-19	Arikamedu

8. Tamil Nadu

Fishing Harbour

S No	Year	Project
1	1972-73	Chinnamuttom
2	1972-73	Kodiakkarai
3	1972-73	Mallipatnam
4	1979-80	Valinokkam
5	1980-81	Pazhayar
6	1981-82	Tondi
7	1997-98	Rameshwaram
8	2000-01	Pazhayar Stage II
9	2001-02	Poompuhar
10	2001-02	Rameshwaram (Rev)
11	2002-03	Mallipatnam Stage II
12	2005-06	Thengapattinam
13	2005-06	Colachel
14	2007-08	Colachel (Rev)
15	2008-09	Thengapattinam (Rev)
16	2012-13	Poompuhar (Rev)
17	2016-17	Nagapattinam

Fish Landing Centre

S No	Year	Project
1	2017-18	Kunthukal

9. Andhra Pradesh

Fishing Harbour

S No	Year	Project
1	1971-72	Narasapur
2	1971-72	Nizampatnam
3	1974-75	Ramayapatnam
4	1974-75	Kakinada
5	1977-78	Bhavanapadu
6	1980-81	Krishnapatnam
7	1983-84	Machalipatnam
8	1993-94	Machalipatnam
9	2002-03	Nizampatnam Stage II
10	2005-06	Antervedipalem/Biyyaputippa
11	2006-07	Nizampatnam Stage II (Rev)

Fish Landing Centre

S No	Year	Project
1	2014-15	Biyyaputippa
2	2017-18	Manchineellapeta
3	2017-18	Rallapeta

10. Odisha

Fishing Harbour

S No	Year	Project
1	1972-73	Dhamra
2	1978-79	Nuagar
3	1983-84	Paradip
4	1985-86	Gopalpur
5	1985-86	Rushikulya
6	2002-03	Bahabalpur
7	2004-05	Chandipur
8	2011-12	Chudamani
9	2014-15	Bahabalpur
10	2014-15	Chandipur

11. West Bengal

Fishing Harbour

S No	Year	Project
1	1976-77	Pratappur
2	1980-81	Digha
3	1982-83	Frazerganj
4	2004-05	Petuaghat

12. Andaman & Nicobar Islands

Fishing Harbour

S No	Year	Project
1	1977-78	Camp Bell Bay
2	1977-78	Phoenix Bay

Fish Landing Centre

S No	Year	Project
1	2006-07	Maya Bandar
2	2006-07	Durgapur
3	2006-07	Yeratta
4	2006-07	Rangat Bay

Flagship programs

CICEF undertook pre-feasibility studies of the fishery harbour sites in various maritime states/UTs.

The study will pave a way for the Government of India and Maritime States/ UTs to decide on the phased, prioritised, implementation of fishery harbour infrastructure development in the years ahead.

The list of names of these potential Fishing Harbour sites spread over in various States/ UTs are given below.

S. No	State/ UT	Potential Sites in Numbers
1	Gujarat	10
2	Maharashtra	12
3	Goa	01
4	Karnataka	05
5	Tamil Nadu	07
6	Andhra Pradesh	06
7	Odisha	05
8	West Bengal	02
9	Andaman& Nicobar Islands	02
	Total	**50**

Gujarat

1. Rupen
2. Jafrabad
3. Umbergaon
4. Bhadeli Jagalala
5. Madhwad
6. Mangrol Stage III
7. Navabandar
8. Shivrajpur (Okha)
9. Porbandar Stage II
10. Veraval Stage II

Maharashtra

1. Dandi Malvan
2. Borya
3. Dabhol
4. Jeevana Bunder
5. Versova
6. Vijayadurg
7. Jaigad
8. Sakharinate
9. Harnai
10. Uttan
11. Agardanda
12. Satpati

Goa

1. Katim Baina

Karnataka

1. Majali
2. Keni
3. Hejamadi Kodi
4. Belambar
5. Kulai

Tamil Nadu

1. Tuticorn Stage II
2. Mallipatnam Stage II
3. Rameswaram
4. Vellapallam
5. Thiruvottriyur Kuppam
6. Mudhunagar
7. Tharangambadi

Andhra Pradesh

1. Juvvaladinne
2. Vadarevu
3. Uppada
4. Nizampatnam Stage II
5. Machalipatnam Stage II
6. Budagatlapalem

Odisha

1. Chudamani
2. Bahabalpur
3. Chandipur
4. Gopalpur
5. Naugarh

West Bengal

1. Raidighi
2. Namkhana

Andaman & Nicobar Islands

1. Junglighat
2. Campbell bay

5. Coastal Aquaculture Authority (CAA)

Background of the CAA

Coastal aquaculture, particularly shrimp farming, is the most vibrant food producing sector in India as it earns high foreign exchange to the exchequer. The supreme court in its verdict in Writ Petition No. 561 of 1994 (Jegannathan vs Union of India) raised concern on the environmental protection of coastal areas and directed the central Government to constitute on authority to protect the ecologically sensitive coastal aquaculture development in the country. It was, therefore, felt necessary that an enabling atmosphere with an appropriate policy, legal and institutional framework should be provided to facilitate this function. Accordingly, the Aquaculture Authority was constituted in exercise of the powers conferred under sub-section 3 of section 3 of the Environment(protection) act, 1986 by the Central Government to deal with the situation created by the shrimp culture industry in the coastal states and Union Territories by the notification dated 6.2.1997 of the Union Ministry of Environment and Forests, Government of India with the following members for the period of four years and six months. The Aquaculture Authority was replaced by the coastal Aquaculture Authority Act,2005.

Aims and objectives of the Authority:

The aims and objectives of the Authority are :

I. To regulate 'coastal aquaculture' activities in the areas notified by the Central Government as 'Coastal areas' and for matters connected therewith.

ii. The Authority is empowered to make regulations for the construction and operation of aquaculture farms in coastal areas, inspection of farms and hatcheries for Penaeus vannamei to ascertain their environmental impact.

iii. Registration of aquaculture farms and hatcheries, removal or demolition of coastal aquaculture farms that cause environmental degradation, fixing standards for all coastal aquaculture inputs, viz., seed, feed, growth supplements, chemicals, etc., used in coastal aquaculture and for the overall monitoring of coastal aquaculture activities in the country.

Registration of Coastal Aqua Farms:

Totally 1,179 shrimp farms with total farm area of 1,251.74 ha (Water Spread Area – 855.02 ha) were registered from June 2019 to May 2020. Altogether 39,705 shrimp farms with total farm area of 61,044.89 ha (Water Spread Area - 41,624.70 ha) received from State Level Committees/District Level Committees of states were registered since inception to till May 2020.

Renewal of Registration of Coastal Aqua Farms:

During June 2019 to May 2020, 1248, farms with total farm area of 2,460.55 ha (WSA – 1,713.50 ha) were renewed. Total Renewal of registration of 7,973 farms with total farm area of 15,000.49 ha (WSA – 10,507.21 ha) were done from 2013 till May 2020.

Letter of Permission for Culture of SPF L. vannamei:

A total of 2575 Letter of Permissions (LoPs) with total farm area of 12,460.52 ha (WSA – 8,388.13 ha) were registered since inception (August-2009) to May 2020.

Empanelling of SPF Broodstock Suppliers:

CAA carried out the exercise of empanelling the suppliers of SPF L. vannamei & SPF P. monodon broodstock based on the genetic base and disease status in consultations with CIBA, NFDB and MPEDA. Based on the recommendations of Committee, 14 suppliers (12 suppliers for SPF L. vannamei and 2 suppliers for SPF P. monodon) were short-listed for supply of SPF broodstock to CAA permitted hatcheries.

The Terms and Conditions for the supply of quality specific pathogen free (SPF) Broodstock and parent post larvae of shrimp by overseas suppliers to hatcheries in India and the same was placed before the 18th Technical Committee meeting held on 10.1.2020. The Committee has approved the draft Terms and Conditions. The Ministry has been requested to notify the Terms and Conditions under the provisions of Livestock Importation Act, 2001 (Act 28 of 2001) as was done for the SOP of AQF.

Approval of SPF hatcheries and Nauplii Rearing Hatcheries (NRHs):

A total of 315 SPF L. vannamei hatcheries and 123 Nauplii Rearing Hatcheries (NRH) spread all over the coastal states were approved from 2009 till May 2020. A total of 7,57,800 nos. of L. vananmei broodstock were permitted to import and so far, during June 2019 to May 2020, 2,59,009 number of broodstock has been imported from the shortlisted suppliers.

Two hatcheries were approved to import broodstock of SPF P. monodon and its seed production.

Screening of New Viruses Decapod iridescent virus 1 or DIV1:

In addition to OIE listed pathogens, all the empaneled exporters from abroad and the Importers in India including hatchery operators are advised to screen SPF brood stock and other live stocks including artemia cysts connected with shrimp Aquaculture Industry in India for Decapod iridescent virus 1 or DIV1 and ensure that they are free from Decapod iridescent virus 1 or DIV1 for the safety of Shrimp Aquaculture Industry in India.

Certificate of Standards for Coastal Aquaculture Inputs:

CAA also issuing Certificate of Standards for coastal aquaculture inputs viz. feed, growth supplements and chemicals/ medicines for antibiotic free for the maintenance of the ecological and environmental balance of water bodies and the organisms reared therein and other aquatic life. Accordingly, CAA has issued Certificate of Standards to the 3,543 aqua inputs in eight categories. Further, a new advisory for submission of application has been issued to all the Manufacturer/Distributors of aqua inputs for ensuring antibiotic free aquaculture inputs.

Update of Database:

Data base in CAA website www.caa.gov.in hosted by National Informatics Centre, Chennai updated with new and latest information periodically.

New Regulations:

In accordance with the decision of the Authority in its 63rd meeting, new regulations for overseas broodstock supply have been prepared to inculcate responsibilities and accountability on the part of the suppliers and importers.

Effluent Treatment System:

The design of Effluent Treatment System and model calculation was approved by the Authority in its 63rd meeting.

Aquatic Animal Health and Quality Testing Laboratory:

CAA has recognized the "Aquatic Animal Health and Quality Testing Laboratory" at NFDB as the National Referral Laboratory of CAA for Aquaculture under the category of Government of India laboratories to perform the following:

a) Seed Quality Analysis,

b) Disease Analysis,

c) Soil and Water Quality Analysis,

d) Quality Analysis of Aquaculture Inputs,

e) Antimicrobial Residual Analysis and

f) Microbiological Analysis related to aquaculture

Memorandum of Understanding (MOU) with NFDB:

An MoU has been entered between CAA and NFDB for the implementation of monitoring and compliance programme for the benefit of coastal aquaculture sector in the country. CAA and NFDB intend to work together in making AAHQ laboratory for ensuring compliances of the aquaculture establishments in India. CAA intends to utilize the services of the National Referral Laboratory for its monitoring of coastal aquaculture

Pre border quarantine requirement:

CAA had issued an order No. 57-6/2015 Tech Vol. II dated 12.12.2019 to implement the pre border quarantine requirement of testing done not earlier than 30 days before the actual shipment for the import of SPF L. vannamei into India and the same was sent to nodal ministry for necessary amendment in the Notification.

International Collaboration:

CAA has established contact with University of Arizona, the referral laboratory of OIE with intent to collaborate in the field of aquaculture Pathology. University of Arizona has provided a draft MoU to be executed between CAA and University of Arizona to provide guidance and technical assistance in disease diagnostics, develop therapeutics and biosecurity measures to prevent shrimp diseases. The draft has been incorporated with inputs from CAA and the same has been confirmed by the University of Arizona.

Online File Management System:

CAA has commenced online File Management System (FMS) in an attempt to make CAA paperless environmentally friendly office.

Renewal of Registration of Coastal Aqua Hatcheries:

The Inspection Committee of CAA constituted for this purpose had inspected 185 hatcheries located at Andhra Pradesh and Tamil Nadu for renewal of registration as provided under sub para (2) of para 1 of Guidelines for regulating hatcheries and farms for introduction of SPF Litopenaeus vannamei issued under Annexure II of CAA Rules, 2005. Among these, 170 hatcheries have been processed for renewal of Registration.

Extension of validity SIP and Registration of hatcheries:

Considering the circumstances owing to the COVID-19 pandemic, the validity of the Registration, Annual Allocation Order and Sanitary Import Permit of the Hatcheries was extended up to 30th June 2020 whose validity were expiring on 31.03.2020.

6. Fisheries Survey of India (FSI)

Background of the FSI

The Fishery Survey of India was established on 26th August 1946 as a pilot project known as Deep Sea Fishing Station (DSFS) by the Government of India with the objective of augmenting food supply through development of deep-sea fishing. Later, Offshore Fishing Stations (OFS) were established in 1957 and 1958 under the control of DSFS. Thereafter, the institute was graduated to the status of a survey institute in the year 1974 under the name Exploratory Fisheries Project (EFP) with the Bases known as Offshore Fishing Stations in all the maritime states. The objectives of the exploratory fishing were charting of fishing grounds, training of fishing operatives and testing commercial possibilities of deep-sea fishing were assigned. The Institute has thus, emerged as the Nodal Fishery Institute in India with the primary responsibility of marine fisheries resources survey, assessment, and monitoring in the Indian Exclusive Economic Zone (EEZ) and adjoining seas for promoting sustainable exploitation and management of the fish stocks. With passing time, the FSI had passed through the administrative control of multiple ministries of Govt. of India viz., Ministry of Food and Agriculture, Ministry of Agriculture (Department of Agriculture and Cooperation), Ministry of Food Processing Industries, Ministry of Agriculture (Department of Animal Husbandry and Dairying), Ministry of Agriculture and Farmers' Welfare (Department of Animal Husbandry, Dairying and Fisheries).

Mandate

The FSI is a sub-ordinate institute under the Department of Fisheries, Ministry of Fisheries Animal Husbandry and Dairying for carrying out the survey, assessment and monitoring of the marine fishery resources of the Indian EEZ within the framework of a well-defined mandate. The mandate of the Institute is tuned from time to time to match the developmental activities of the fisheries sector as well as to meet the national and global requirements. The mandate of the institute was approved by the Evaluation committee of FSI during 2007 is given below:

a) Exploratory surveys, charting of fishing grounds, assessment of fish stocks in the Indian EEZ and adjoining high seas and research thereof, besides the specific surveys on request from the States and the Union Territories.

b) Data collection and periodic re-validation of potential of fishery resources to provide advice on fishery management issues enshrined in the national, regional and global conventions and agreements and other associated activities.

c) Monitoring survey of fishery resources in the exploited areas including coral reefs, application of Monitoring, Control and Surveillance (MCS) for regulating fishing activities and promoting Code of Conduct for Responsible Fisheries (CCRF) in the Indian EEZ.

d) Maintain Data Bank and disseminate information on fishery resources to the end - users and act as an interface between the State/UTs and the Ministry of Fisheries, Animal Husbandry and Dairying, Government of India for Marine and Inland fish production and related aspects.

e) Assessment of suitability of fishing gear, accessories, and equipment with special reference to the preservation of environment and ecology of marine habitat.

f) Fish stock identification and biodiversity studies including application of genetic tools and techniques.

g) Marine fisheries forecasting including application of Remote Sensing for the benefit of Artisanal, Mechanized and Industrial sectors.

h) Human Resources Development through the practical training of fishing operatives, fishermen, fisheries officials and students.

Roles and Responsibilities

The Fishery Survey of India (FSI) surveys and assesses marine fishery resources in India's Exclusive Economic Zone (EEZ) to ensure optimum utilization and sustainable development of these resources. The FSI is a part of the Department of Animal Husbandry, Dairying and Fisheries in the Ministry of Fisheries. R & D in fisheries in India perhaps began in 1946 with the establishment of the Deepsea Fishing Station. It was meant to augment food supply through development of deep-sea fishing during the post-second World War. Beginning with just one vessel (a mine sweeper converted to a trawler, S.T. Meena) and a few staff, the FSI by 1982 had 28 vessels of varying size operating from 12 bases

With the declaration of the 200 nautical mile EEZ during 1976, the Government of India started acquiring large vessels to survey demersal, mid-water, pelagic and oceanic resources in the EEZ. In 1983, the FSI was reorganized and upgraded as a national institute with a new set of mandates. Headquartered in Mumbai, the FSI has six zonal bases at Mumbai, Mormugao, Kochi, Chennai, Visakhapatnam and Port Blair. It was recognized as a science & technology institute in 1988.

The FSI seeks to meet the data needs of the Indian marine fishing industry for optimizing fishery production, also for regulating resources conservation and environmental protection. Since its inception, the institute's vessels have engaged in demersal (bottom) trawling, mid-water trawling, purse seining, tuna longlining and squid jigging. The present survey fleet focuses on deepsea and oceanic resources and consists of 13 ocean-going vessels of 30.5 - 40.5 OAL equipped with state-of-the-art equipment for navigation, fish finding and resources survey

The FSI is recognized as a Marine Data Centre under the National Ocean Information System coordinated by the Department of Ocean Development. Scientists take part in survey cruises to collect data relating to fishery resources distribution and abundance in space and time. They also collect biological information and data on oceanographic parameters. The data collected from the survey operations are stored in FSI Database, it holds 1,04,204 records (up to Dec 2022). The data collected are processed and published in the form of charts, atlases, bulletins, etc. from time to time, catering to a spectrum of data users

Apart from publications, the FSI disseminates findings through workshops, seminars, open houses and exhibitions in different maritime states to benefit fishermen, fishing boat operators, etc.

Key achievements since inception

a) The pioneering efforts of FSI since 1946 have had a catalytic effect on the growth of the mechanized fishing Industry in India. It will be of no exaggeration to say that FSI was responsible for the following.

b) The introduction & popularisation of bottom trawling in India through experimental exploratory fishing with a variety of fishing vessels and fishing gears.

c) Location of rich prawn fishing grounds off Sandheads, Odisha coasts by the Offshore Fishing Stations established around 1958-59.

d) Location of rich prawn fishing grounds in Swatch of no ground off West Bengal.

e) Development of tuna fisheries through experimental fishing by the vessel Pratap during 1962-67 and extensive exploratory tuna long lining by the vessels Matsya Sugundhi, Yellow Fin, Blue Marlin, Matsya Vrushti and Matsya Drushti thereafter. The FSI trained several fishers from the southwest coast and a few of these fishermen, trained by FSI from Thoothoor adopted this type of fishing, resulting in the famous "Thoothoor / Chinnathurai longline fishermen" who now lead the longline fishery of the nation. Later, this type of training on longlining was extended to north-west, south-east, northeast coasts and A&N waters.

f) The introduction of monofilament longlineing for harvesting large pelagic resources including tunas, sharks, billfishes etc.

g) Introduction of midwater / pelagic trawling by Matsya Nireekshani and Matsya Varshini along west coast and Matsya Shikari and Matsya Darshini along upper east coast with remarkable results.

h) In 1980, introduction of purse-seining by Matsya Varshini, Matsya Darshini and Matsya Harini along both coasts. Purse-seining by mechanized boats has already come to stay along Maharashtra, Karnataka, and Kerala coasts.

i) The survey by FSI have revealed availability of resources such as Mackerel along the Odisha coast, Nemipterids, Bull's eye, Drift fish, Scad, Green eye etc., all along the Indian coasts besides deep sea shrimps and deep-sea lobster along Karnataka, Kerala, Andaman & Nicobar and Tamil Nadu coasts.

j) FSI discovered new lobster grounds in Quilon bank, Ponnani and A&N waters during the period from1999-2004 and disseminated this information to the deep-sea trawlers. For the sustainable exploitation of newly discovered lobster resources, FSI developed lobster traps and trained the fishers onboard on the use of these traps.

k) For easing the fishing pressure on the depleting coastal fishery resource, FSI undertaken intensive exploration of the deeper waters for deep-sea resources already located in few pockets of the southwest coast and could identify potential

vast fishing grounds all along the Kerala, Karnataka, Tamil Nadu, Andhra Pradesh and A&N coasts.

l) Systematic survey of the fishery resources of Wadge Bank and Gulf of Mannar of Tamil Nadu coast, started during 1990's, resulting in gathering valuable information on the fish stock status, feeding habits and breeding season of the perch resources, which are essential science-based resource management of these species.

m) Demersal resources survey of Andaman waters was conducted and located the availability of (Linuparus somniosus) for the first time in Indian waters.

n) The survey by FSI vessels in the deeper waters revealed rich resources of good quality finfishes like priacanthids, drift fishes, Indian ruff etc. The efforts by FSI in popularising these fishes, which were not used for human consumption earlier, resulted in adoption of priacanthids and drift fishes as table fish.

o) FSI introduced octopus fishing in coral reefs and rocky areas using octopus pot, which is now popular in Lakshadweep waters.

p) Special drive Survey programmes such as preliminary surveys in the continental slope during 1997 – 2002, demersal fishery resources surveys of Andaman & Nicobar waters in 2008 & 2019 revealed novel stocks of demersal fishery resources in these areas.

q) Modified Deep Long Line (MDLL) gear for big eye tuna resources was established in the Union Territory of A & N Islands.

r) Drift long line gear using light sticks for Sword fish resources were established in A&N Islands.

s) Preliminary survey of Skipjack and Yellow-fin tuna by Pole & Line fishing in A&N waters.

t) By employing the vessel MFV Matsya Sugundhi, the FSI experimented squid jigging in the west coast of India and established the viability of oceanic squid fishing in the Indian waters using this technology. However, the fishermen are reluctant to adopt this method, since the squids being caught have little acceptability among the fish eaters. Development of value-added products using this resource will increase the acceptability of this resource in future.

u) The FSI, in collaboration with the CMLRE had identified rich resources of meso-pelagic fishes (mainly myctophids) in the southwest coast. Although not advised for direct human consumption due to high oil & wax content, this is a promising resource for fish meal production.

v) The FSI introduced bottom set long lining in the southwest coast, which is highly popular for fishing in the areas of coralline rocky sea bottoms.

w) FSI, for the first time in India, conducted tagging studies on tunas (both yellowfin and skipjack) from Lakshadweep during 2005-2006 throwing lights to the migration pattern of the tunas in Indian Ocean.

x) Similarly, FSI conducted "Satellite telemetry studies on migration pattern of tunas in Indian seas" (SATTUNA) in collaboration with Indian National Centre for Ocean Information (INCOIS) during 2012-2016 tagging of Yellowfin Tuna by PSAT (Pop Up Satellite Tag) for the first time in India. Tagging photos are given in Fig.: 1-5.

y) Biological studies conducted by the FSI scientists resulted in collection of important information on diet, maturity, growth etc of different species, which are essential for science-based management of these resources.

z) Published fishery atlas/charts depicting the species wise abundance of fishery resources in different months along the indian EEZ enabling fishermen to deploy their gears at right place, right time. FSI regularly conducts awareness programmes for the benefit of fishermen, students and general public on CCRF and conservation of Fishery resources. These types of awareness & outreaches produced ambassadors of sustainability among the fishers and thereby initiated movement towards sustainability in Indian Fisheries.

Estimates of fishery potential

FSI has been assessing fishery potential on a continuous basis and this has helped planning of fishery development programmes through various Plans. The FSI has been assigned with the Revalidation of marine fisheries stock potential in the Indian EEZ and accordingly in 1991, 2000, 2010 and 2018. Revalidation of marine fisheries stock potential in the Indian EEZ was carried out and reports has been published.

Data Processing, Publication, and Dissemination of Information

The results of surveys carried out by the FSI since Inception have been brought-out in the form of Bulletins, Newsletters, reports etc., for the benefit of various end-users such as fishermen, entrepreneurs, the fishing industry, and various agencies including Government and International agencies. In addition, FSI Scientists had published several research papers on stock assessment, taxonomy, biology etc. in national and international peer reviewed journals. For the nearly real-time transmission of the survey, research findings of the Institute, the FSI Base offices produces quarterly publication RIS (Resource Information Series, in three languages, English, Hindi and regional languages) and sends to the Fisheries Institutes, Entrepreneurs, Fisheries Co-op societies and other end-users. Location of potential resources of tunas and bill fishes, sharks were identified and published as Atlas for the benefit of fishermen and stakeholders.

Onboard Training Programmes conducted on Monofilament / Multifilament Tuna Longlining sponsored by National Fisheries Development Board (NFDB), Hyderabad, Maritime States/ UTs and Puducherry under the FIMSUL – II Project funded by the World Bank.

Other Achievements

a) The scheme of Conversion of Shrimp Trawlers to Tuna Long Liner in 2005 was entrusted by the Govt. of India by providing subsidy. Fishery Survey of India was instrumental in the conversion of these shrimp trawlers to monofilament longliners and provided all the technical and scientific support.

b) The Marine Engineering Division (MED) at Kochi is having facilities of dry-docking, slip way, life raft station, jetty and providing services to the fishing industry, Indian Coast Guard and Indian Navy at an affordable cost and revenue is being generated

1. Extension programmes

(i) Workshop, Open Houses, Marine Exhibition Street plays and Fishermen Rallies are being regularly for the benefit of the fishermen / fisherwomen, boat owners, NGOs working in fishery sector, students, and policy makers.

(ii) Dissemination of survey findings also being done through Doordarshan, All India Radio, social media viz., Twitter, Facebook, Instagram, and other electronic media.

(iii) Participation in Kisan Mela, Krishi Unnati mela, Agriculture and Fish Expo for disseminate the information collected through surveys by putting up an exhibition stall.

(iv) Awareness on CCRF is being provided among Fishers/Stakeholders for conducting responsible fishing practices, propagating, and encouraging fishermen to diversify fishing effort to deep sea fishing.

(v) Sagar Parikrama: Fishery Survey of India used to have active participation in each phase of Sagar Parikrama Programme.

2. Academic Contributions

FSI is recognized by Mumbai University as a research centre for undertaking studies leading to M Sc (by research) and Ph D degrees. FSI bases have also won recognition from other state universities such as Andhra University, Kerala University of Fisheries & Ocean Studies (KUFOS), Goa University, Madras University and Tamil Nadu Dr. J. Jayalalitha Fisheries University (TNJFU). Scientists of FSI were also recognized by these universities as the research guides for Ph.D., and M.Sc., degree courses.

3. Marine census

As per the Ministry's assignment of carrying out marine census in Island groups, accordingly, during the years 2005, 2010 and 2015 FSI has successfully conducted Marine Census for the Lakshadweep and Andaman & Nicobar Islands in co-ordination with the Fisheries Departments of the UTs. During the Census, FSI officials has conducted training programme to the Supervisors and Data Enumerators, also conducted training-cum-workshops on "Strengthening of data collection and fish taxonomy"

4. Collaborative Research

(i) Remote Sensing and Fishery Forecasting in collaboration with SAC and ISRO has engaged in the development of resource specific fishery forecast models using Ocean Satellite derived data on ocean colour (Chlorophyll) and Sea Surface Temperature (SST).

(ii) FSI had undertaken various International and institutional projects in collaboration with Indian National Centre for Ocean Information Services (INCOIS), GEF/UNDP/IMP, Indian Ocean Tuna Commission (IOTC), FAO-IMO, ICAR, DoD, CMFRI, MoEF, ISRO-SAC, CMLRE, MoES, NIOT, NCCR, NCPOR etc.

(iii) Implemented Centrally Sponsored Scheme (CSS) as per the directives of the Ministry. Accordingly, the FSI had conducted various programmes in order to strengthen data collection and fish taxonomy.

5. Linkages with National and International Agencies

(i) FSI is the designated Nodal agency of the Government of India to meet the research and data requirements of the Indian Ocean Tuna Commission (IOTC) as part of India's international obligation. The IOTC provides technical and scientific support and training to the member countries to expand their tuna fishing activity in the Indian Ocean.

(ii) The FSI has been associated with Bay of Bengal Large Marine Ecosystem (BOBLME) since 2003.

(iii) FSI has been associated with ISRO institutes in developing techniques and in validating the PFZ maps generated by INCOIS.

(iv) FSI is also represented in the Technical Advisory Committee of the BOBP-IGO.

(v) The FSI has been representing various committees for policy formulation and planning.

(vi) Recently FSI has been assigned with the activities of Southern Indian Ocean Fisheries Agreement (SIOFA).

(vii) FSI also acts as an interface between the Ministry and fishery departments of coastal states for catch assessment surveys in marine fisheries.

6. Other Activities

(i) Assistance being rendered to Fishing Industries as and when required.

(ii) Assistance also being rendered for Surveillance support regularly to the Indian Navy and Indian Coast Guard while out at sea.

(iii) The FSI was entrusted with the responsibilities of acquiring the catch statistics of LoP vessels and analysis of raw data and subsequent submission to Ministry for the LoP vessels data base for future record. Accordingly, during the period 2003-2015, this task was accomplished

(iv) FSI actively celebrated the International Yoga Day, Vigilance awareness week, Swachhata Abhiyan, constitution day and international women day

(v) Recently India joined the SIOFA Southern Indian Ocean Fisheries Agreement) as co-operating Non-Contracting Parties). Fishery Survey of India has been designated as nodal agency of Govt. of India, On behalf of Dept. of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying.

Achievement in terms of fishing effort during 2020-21 to 2022-23

Type of Survey (and effort parameter)	2020-21	2021-22	2022-23
Bottom Trawl Survey (fishing hours)	1532	1481	2674
Oceanic Longlining Survey (hooks operated)	39935	66674	105902
Fund Utilization	(₹ In Lakhs)		
Plan	27.1	172.02	63.48
Non-Plan	7243.72	6819.93	9002.94

Flagship Programme

FSI had undertaken various International and institutional projects in collaboration with Indian National Centre for Ocean Information Services (INCOIS), GEF/UNDP/ IMP, Indian Ocean Tuna Commission (IOTC), ICAR, DOD, CMFRI, MoEF, SAC-ISRO, CMLRE, MoES etc. Following is the programme undertaken during the recent year.

A) Stock Structure Investigation on yellowfin tuna, from the EEZ of India and the adjacent high seas using genomic tools.

Jointly conducted by Fishery Survey of India (FSI) and ICAR-CMFRI under the Central

Sector Schemes Component of 'Pradhan Mantri Matsya Sampada Yojana' (PMMSY): A scheme to bring about Blue Revolution through sustainable and responsible development of fisheries sector in India.

The major objectives of the project are:

(a) To detect sub-population structuring in Yellowfin tuna in the India's EEZ and adjacent high seas.

(b) To identify highly differentiated SNP's so as to develop a tool for detection of catch provenance.

(c) To disseminate findings to the Department of Fisheries, Govt. of India as reports and publications in peer reviewed journals.

(d) Suggest management and conservation measures to prevent over-exploitation of Yellowfin tuna fishery in the Indian EEZ.

Marine Mammal Stock Assessments in India (MMSAI)

Under the Central Sector Scheme Component of the 'Pradhan Mantri Matsya Sampada Yojana' (PMMSY), Fishery Survey of India taken up the project namely "Marine Mammal Stock Assessments in India" during 2021-22 in collaboration with ICAR-CMFRI (Central Marine Fisheries Research Institute), ICAR-CIFT (Central Institute of Fisheries Technology) and MPEDA-NETFISH (Marine Products Export Development Authority) with 100% Central Assistance. Phase - I of the project successfully completed. Phase – II is under progress.

The major objectives of the project are:

(a) Document on marine mammal abundance, bycatch and mortalities.

(b) Document on suggestions on reducing incidental capture and mortality of marine mammals.

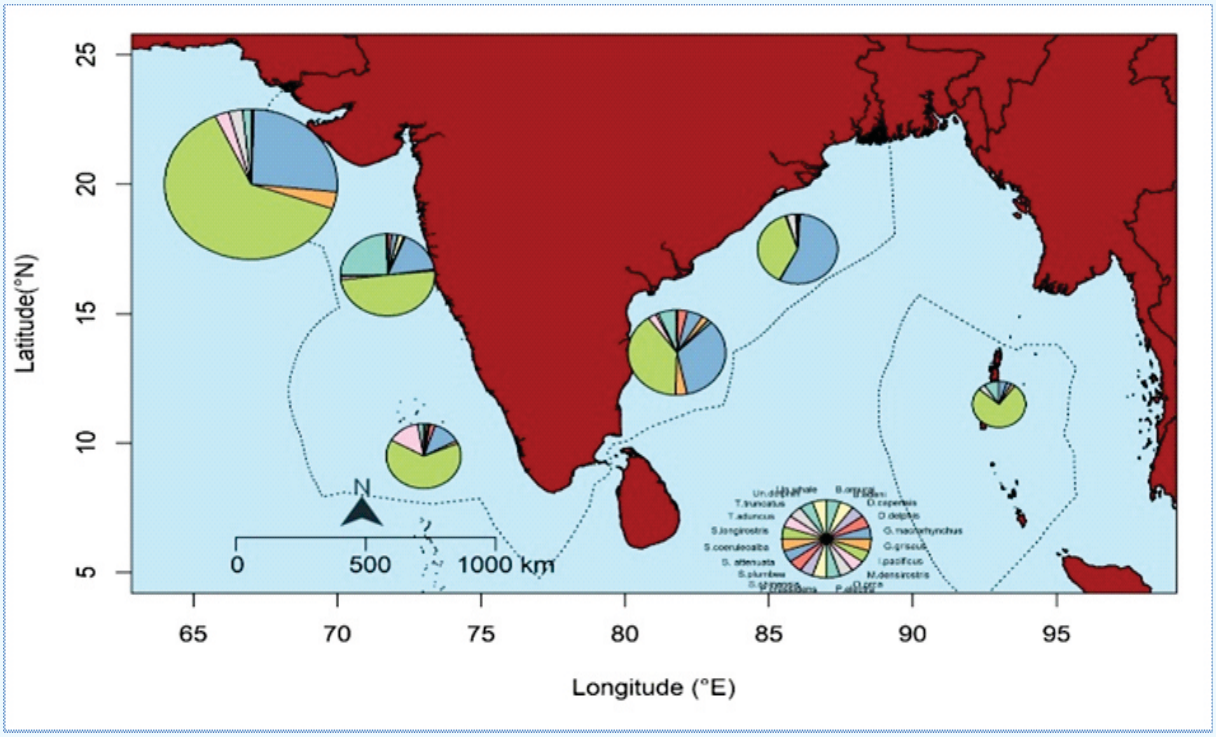
(c) Characterization of marine mammals (cetacean) in the Indian EEZ at different season.

(d) Examine relationship between marine mammal spatial distribution and oceanic features.

(e) A series of data on the abundance, distribution and habitat of marine mammals off the coast of India and to answer the following questions; How does abundance and diversity change with distance from the coast? What are the species that occur coastal and offshore of India? How does the species partition the available habitat?

(f) Submission of annual marine mammal stock assessment report to NOAA USA.

During the marine mammal survey period (November 2022- March 2023) the Project Personnel observed 398 sightings of marine mammals comprising of 10,443 individuals.



Map showing the abundance and diversity of marine mammals in different areas of the Indian EEZ during the period November 2022- March 2023

Marine Mammals Sighted in the surveys conducted during the period of November 2022- March 2023



Orcinus orca (Killer whale)



Pseudorca crassidens (False Killer Whale)



Stenella coruleoalba (Striped dolphin)



Stenella longirostris (Spinner dolphin)



Delphinus capensis (Long-beaked common dolphin)

Promotion of sustainable fisheries and livelihoods through artificial Reefs/Sea Ranching

The project is sanctioned under CSS component of 'Pradhanmantri Matsya Sampada Yojana' (PMMSY) for funding to the coastal states of India to promote artificial reef/sea ranching for augmenting the livelihood of the coastal fisherfolks. FSI has been facilitating the activity for installation, awareness training programme, etc. for artificial reef/sea ranching.

The major objectives of the project are:

a) Protect sensitive habitats from fishing activities.

b) Restoration of deficient habitats loss.

c) Enhancing biodiversity.

d) Enhancing aquatic creature populations by providing shelter for juvenile and natural animals as well as adults, during critical life phases (e.g., moulting phase of crustaceans).

e) Providing new substrates for algae and mollusk culture.

f) Establishing possible marine protected area (MPA) networks to regulate fish life cycles and connectivity.

g) Enhancing professional and recreational fisheries.

h) Creating suitable areas for diving.

i) Providing a mean to manage coastal activities and reduce conflicts.

j) Research and educational activities.

IMO-FAO Glolitter Partnership (GLP) Project in India

The Government of India through the Department of Fisheries, Ministry of Fisheries, Animal Husbandry & Dairying is participating in the IMO-FAO Glolitter Partnership (GLP) Project as a Lead Partnering Country (LPC) with the aim of prevention and reduction of Marine Plastic litter (MPL) and, sea-based MPL (SBMPL) to reverse the negative environmental impacts of plastic discard and loss. Fishery Survey of India (FSI) has been designated as Lead Agency for implementation of the said project in the country.

The major objectives of the project are:

a) Identification of Ghost Gear (ALDFG) hotspots through the exploratory survey operations.

b) Collection of MPL, SBMPL & ALDFG during the survey operations.

c) Segregation, quantification, reporting and disposal of collected MPL, SBMPL & ALDFG.

d) Conducting awareness programmes for fishers and other stakeholders.

Special cleaning drive for MPL at fishing harbours/jetties, etc.



Photographs of Tuna Tagging (P-SAT) Programme



A Yellowfin tuna caught by monofilament long line had been taken in a lifting cradle to the deck of Matsya Drushti.



The Yellowfin tuna is kept on mat at the deck of Matsya Drushti for P-SAT tagging.



The Yellowfin tuna is being tagged with P-SAT tag



The tagged Yellowfin Tuna



Successfully tagged Yellowfin tuna released into sea, swim in good condition.

Achievement in terms of Fishing effort during 2020-21 to 2022-23

Type of Survey (and effort parameter)	2020-21	2021-22	2022-23
Bottom Trawl Survey (fishing hours)	1532	1481	2674
Oceanic Longlining Survey (hooks operated)	39935	66674	105902
Fund Utilization	(₹ In Lakhs)		
Plan	27.1	172.02	63.48
Non-Plan	7243.72	6819.93	9002.94

OPERATIONAL BASES AND SURVEY VESSELS



MFV Matsya Vrushti



MFV Matsya Nireekshani



MFV Yellowfin



MFV Sagarika



MFV Matsya Varshini



MFV Lavanika



MFV Matsya Drushti



MFV Samudrika



MFV Matsya Shikar



V Matsya Darshini



MFV Blue Marlin

Fishery Survey of India (HQs) and Base offices



FSI Head Quarters and Mumbai Base
Sassoon Dock, Colaba, Mumbai – 400 005



Mormugao Base
Opp. Microwave Towers, Mormugao – 403 803



Cochin Base
Kochangady, Kochi- 682005



Chennai Base
Fishing Harbour Complex, Chennai – 600 013



Visakhapatnam Base
Fishing Harbour, Visakhapatnam – 530 001



Port Blair Base
Post Box No.46, Port Blair – 744 101



Chapter

12

International Scenario



International Scenario

Contribution of India to World Fish Production

India contributed 16.24 MMT to world fish production in 2021. It comprised of 4.13 MMT of Marine and 12.12 MMT of Inland.

Table 12.1(a): Contribution of India to World Fish Production in selected years

	World production (In MMT)			Contribution of India (In MMT)		
Year	**Total**	**Marine**	**Inland**	**Total**	**Marine**	**Inland**
2017	172.7	111.2	61.5	12.6	3.7	8.9
2018	178.93	115.36	63.57	13.6	3.9	9.7
2019	177.83	112.4	65.43	14.2	3.8	10.4
2020	179	112	67	14.73	3.5	11.23
2021	182.05	114.47	67.59	16.24	4.13	12.12

Source: Food and Agriculture Organization (FAO)

Note: Fishery statistical data presented in the above table exclude the production for mammals, crocodiles, corals, sponges, pearls, mother – of – pearl and aquatic plants. Totals may not match due to rounding

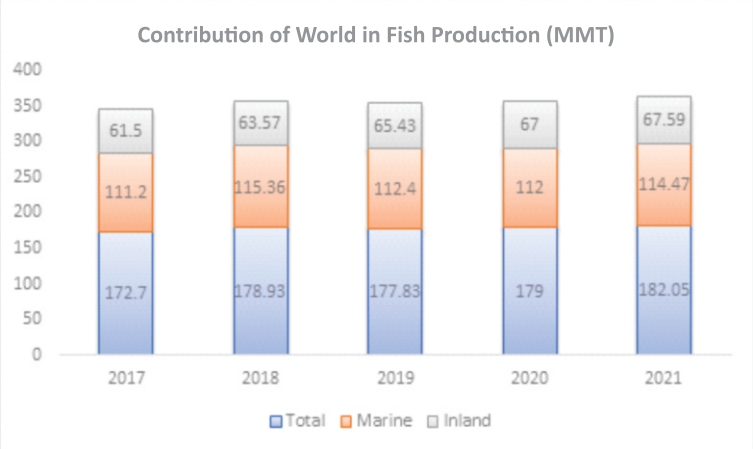


Figure 31: Contribution of World in Fish Production (MMT)

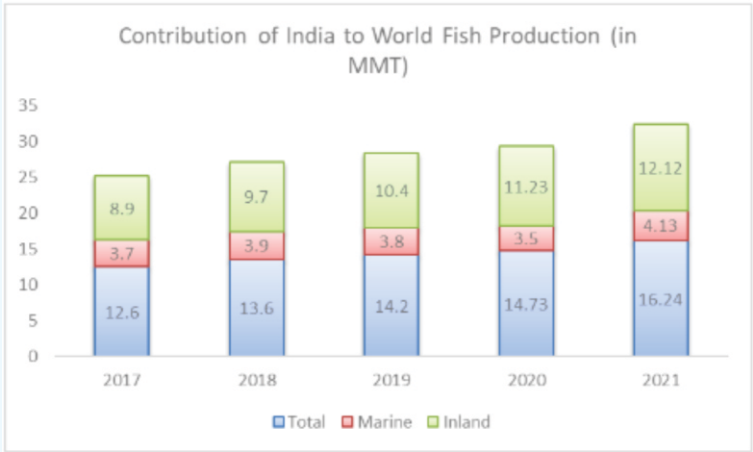


Figure 32: Contribution of India to World Fish Production (in MMT)

Fish Production: Major Fish Producing Countries and Territories

The five major fish producing Countries and Territories are China, India, Indonesia, Vietnam and Bangladesh

Table 12.2 (a): Fish Production (in Tonnes): Major Producing Countries and Territories

Country (Name)	ASFIS species (Name)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Percentage of Total Fish Production (2021)
China	Fish, crustaceans and molluscs, etc.	38,136,451	40,336,975	42,297,133	43,748,183	45,815,988	46,823,949	47,559,074	48,246,255	49,620,149	51,220,645	28.14%
India	Fish, crustaceans and molluscs, etc.	4,209,478	4,488,000	4,881,000	5,341,000	5,699,900	6,208,000	7,242,600	7,927,700	8,635,986	9,403,000	5.16%
Indonesia	Fish, crustaceans and molluscs, etc.	3,067,660	3,973,843	4,253,896	4,342,465	4,900,612	5,507,505	5,426,943	5,649,642	5,226,594	5,515,208	3.03%
Vietnam	Fish, crustaceans and molluscs, etc.	3,084,807	3,206,510	3,340,015	3,462,352	3,570,402	3,820,960	4,143,500	4,486,127	4,667,552	4,736,120	2.60%
Bangladesh	Fish, crustaceans and molluscs, etc.	1,726,066	1,859,808	1,956,925	2,060,408	2,203,554	2,333,352	2,405,416	2,488,600	2,583,866	2,638,745	1.45%
Norway	Fish, crustaceans and molluscs, etc.	1,321,119	1,247,865	1,332,497	1,380,839	1,326,157	1,308,485	1,354,941	1,452,926	1,490,076	1,664,866	0.91%
Egypt	Fish, crustaceans and molluscs, etc.	1,017,738	1,097,544	1,137,091	1,174,831	1,370,660	1,406,865	1,594,231	1,641,949	1,591,896	1,576,189	0.87%
Chile	Fish, crustaceans and molluscs, etc.	1,071,421	1,033,206	1,214,523	1,045,790	1,035,254	1,202,948	1,266,054	1,384,707	1,485,896	1,426,516	0.78%
Thailand	Fish, crustaceans and molluscs, etc.	1,272,700	998,117	898,565	921,023	963,573	894,974	921,313	963,267	1,012,650	989,898	0.54%
Myanmar	Fish, crustaceans and molluscs, etc.	885,169	929,180	962,156	997,306	1,017,614	1,048,692	1,130,350	1,082,141	1,145,018	929,217	0.51%
Philippines	Fish, crustaceans and molluscs, etc.	790,894	815,008	788,029	781,798	796,393	822,466	826,060	858,277	854,178	928,821	0.51%
Ecuador	Fish, crustaceans and molluscs, etc.	322,655	332,382	368,457	426,710	451,335	484,945	581,390	695,790	774,529	896,335	0.49%
Brazil	Fish, crustaceans and molluscs, etc.	480,150	476,904	563,492	577,643	542,252	564,446	580,888	599,550	629,450	649,226	0.36%
Japan	Fish, crustaceans and molluscs, etc.	633,047	609,566	647,921	705,452	676,806	615,338	644,252	600,235	600,608	621,567	0.34%
Korea, Republic of	Fish, crustaceans and molluscs, etc.	486,900	402,141	480,394	479,360	507,962	573,194	568,350	586,955	572,597	581,995	0.32%
Iran (Islamic Rep. of)	Fish, crustaceans and molluscs, etc.	296,514	325,325	320,174	346,118	398,129	412,887	439,718	458,131	480,500	478,737	0.26%
Türkey	Fish, crustaceans and molluscs, etc.	212,805	233,864	235,133	240,334	253,395	276,502	314,537	373,356	421,411	471,686	0.26%
United States of America	Fish, crustaceans and molluscs, etc.	420,386	429,011	421,189	426,002	444,679	439,670	466,122	490,042	448,235	448,235	0.25%
Cambodia	Fish, crustaceans and molluscs, etc.	74,000	90,000	120,055	143,000	170,265	205,300	251,850	305,408	399,400	347,350	0.19%
Russian Federation	Fish, crustaceans and molluscs, etc.	144,871	154,898	161,214	152,014	172,792	185,027	199,505	237,720	270,362	295,479	0.16%

Country (Name)	ASFIS species (Name)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Percentage of Total Fish Production (2021)
Spain	Fish, crustaceans and molluscs, etc.	269,593	229,30	288,007	296,571	290,480	318,134	356,886	311,025	276,592	279,880	0.15%
Nigeria	Fish, crustaceans and molluscs, etc.	253,898	278,706	313,231	316,727	306,767	296,191	291,323	289,543	261,711	275,645	0.15%
Taiwan Province of China	Fish, crustaceans and molluscs, etc.	344,404	348,425	338,213	312,874	254,803	282,186	283,692	291,498	276,813	274,500	0.15%
Mexico	Fish, crustaceans and molluscs, etc.	143,747	111,500	194,224	211,562	221,304	243,283	247,192	251,232	278,694	246,914	0.14%
Malaysia	Fish, crustaceans and molluscs, etc.	303,386	261,271	275,682	246,205	201,898	224,550	217,894	224,171	217,956	238,082	0.13%
World Total	**Fish, crustaceans and molluscs, etc.**	**152184943**	**156619566**	**160839129**	**164466974**	**166070847**	**172796450**	**178676712**	**177307562**	**177182335**	**182052505**	**100.00%**

Source: Food and Agriculture Organization (FAO)

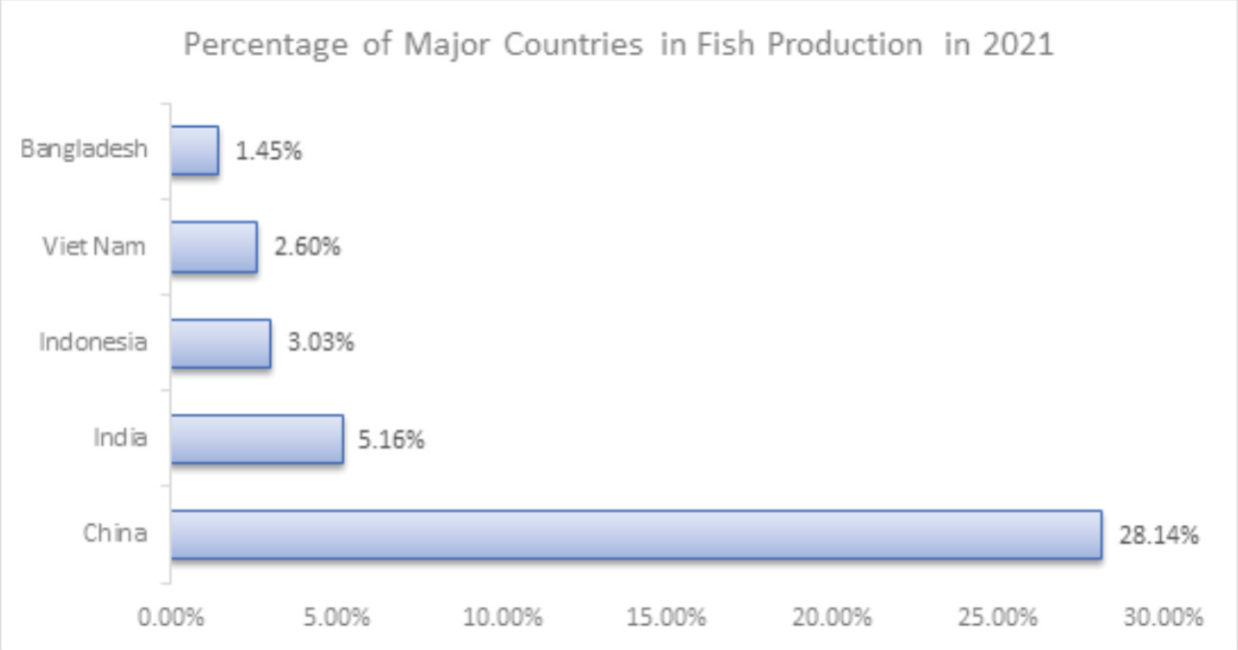


Figure 33: Percentage of Fish Production of Major Countries, 2021

Inland Water Capture Production

Table 12.3(a): Inland Waters Capture Production (in Tonnes): Major Producing Countries and Territories

Country Name	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Percentage of total fish Production 2021
India	1463169	1226361	1255000	1346104	1462063	1593100	1700108	1787000	1795714	1847000	16.25%
Bangladesh	957095	961458	995805	1023991	1048242	1163608	1216538	1235708	1248401	1301244	11.45%
China	2040200	2041700	2024900	1993400	2002956	2182600	1963808	1841214	1457264	1197682	10.54%
Myanmar	830730	838090	852530	863450	886780	887320	889110	887450	890610	786110	6.92%
Uganda	407638	419249	461196	396205	389244	389629	439354	603224	566261.2	621987	5.47%
Indonesia	393553	413187	448476	472911	432475	467822	659286.9	712064.6	497008.9	465988.7	4.10%
Tanzania, United Rep. of	314945	315007	278933	309924	312039	331175	312228	384356	405198.6	414104.8	3.64%
Cambodia	509000	528000	505005	487905	509350	527795	535005	478850	413200	383050	3.37%
Nigeria	312009	339499	354466	337874	377632	420078	392188	373344.4	354378.1	362792	3.19%
Egypt	240039	250196	236992	241179	231959	261195	268590	298089	317291	330142	2.91%
Russian Federation	262548	262050	254813	285065	292830	270515	271471	254416	279919	271795	2.39%
Brazil	236552	238553	235527	225000	225030	225930	226230	226430	225030	226030	1.99%
Congo, Dem. Rep. of the	214000	223596	225608	227700	229300	230000	230000	230000	210000	220500	1.94%
Philippines	195804	200974	213536	203366	159615	162543	162973	154681	147595.2	201056.3	1.77%
Malawi	125392	112248	116129	141643	152852	199455	221849	154922	171115.2	170560	1.50%
Mexico	107619	115753	123688	151416	199665	168072	223625	155714	148551.1	160385.4	1.41%
Pakistan	120240	123155	128235	132456	136890	139215	141232	144122	148240	149852	1.32%
Viet Nam	163362	159171	166274	146882	148798	161274	156290	146416.1	148133.1	149504.1	1.32%
Thailand	219428	210293	181755	184101	188897.3	192622.8	143824.8	116465	116850.2	112604.5	0.99%
Iran (Islamic Rep. of)	82677	85974	91314	88047	94788	97419	105624	104913	107290	107628	0.95%
Mali	71229	99353	80000	92480	102486	106221	90386	109362	117690	107100	0.94%
Zambia	87638	87787	87226	90064	91975	101036	98538	97463	106836	105125	0.93%
Kenya	150131	154257	159212	156468	127238	98579	98000	98000	98053	103090	0.91%
Chad	100000	120000	120020	100000	110000	107045	107000	107000	105000	103000	0.91%
Mozambique	67222	84860	83851	93020	96142	97021	101970	117430	92215	100000	0.88%
Inland World Total	**10939481**	**10905250**	**11030873**	**11134133**	**11338856**	**11942188**	**12108876**	**12176540**	**11508928**	**11363695**	**100.00%**

Source: Food and Agriculture Organization (FAO)

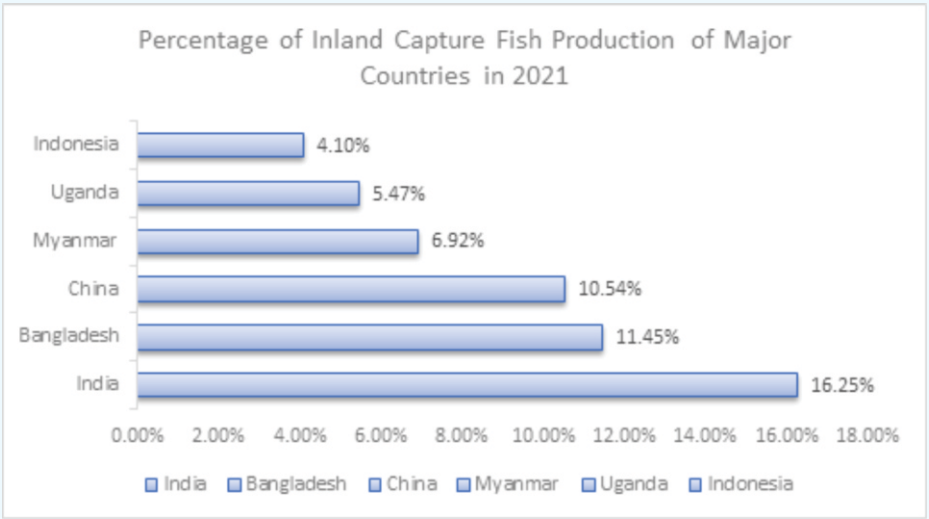


Figure 34: Percentage of Inland Capture Fish Production of Major Countries, 2021

Marine Water Capture Production

Table 12.3 (b) : Marine Waters Capture Production (in Tonnes): Major Producing Countries and Territories

Country Name	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Percentage of total 2021
China	13148457.2	13308845.14	14092903.05	14392763.9	13784598.03	13190594.7	12683810.51	12154229.46	11768939.02	11740774.98	14.71%
Indonesia	5462055.35	5710811.11	6008490.33	6212758.15	6106478.83	6430769.04	6451142.52	6412155.82	6378992.93	6683523.68	8.37%
Peru	4815610	5827046	3548689	4786551	3774887	4128760	7150568.48	4796168.98	5610249	6508443.51	8.15%
Russian Federation	4068750.79	4098772.92	4004135.01	4172379.46	4466558.53	4593998.59	4839960.13	4720021.15	4792175.06	4888444	6.12%
United States of America	5051938	5025081	4914823	4974817	4827098	5008734	4767253	4810236	4248129	4260931	5.34%
Viet Nam	2360311	2464417	2577675	2713756	2929143	3153019	3189889	3294115.24	3357923.66	3390746.06	4.25%
India	3408473.41	3417077.43	3725603.43	3497284.51	3714307.01	3938213.01	3620144.99	3671700.01	2833938	3144559.98	3.94%
Japan	3625052.48	3622479.95	3612869.45	3373361.72	3177554.67	3178450.39	3268620.35	3164399.47	3157099.64	3070737.94	3.85%
Norway	2141153.45	2086912.58	2295721.12	2304406.1	2031493.54	2393778.97	2494066.3	2314710.91	2472203.54	2395483.24	3.00%
Chile	2571501.31	1770946.04	2175417	1785854	1496895.41	1919553.12	2123386.22	1975373.99	1773977.13	1995212.38	2.50%
Philippines	2006932.32	1997185.58	2032174.27	1947180	1864146	1723679.39	1655528	1672495	1764345.49	1638168	2.05%
Mexico	1467411	1500183	1396169	1315851	1311089	1460597	1468420	1417648	1352436.18	1460177.44	1.83%
Morocco	1146050	1238534	1350254	1349937	1431518	1361952	1356215	1443092.7	1359813.98	1396271.04	1.75%
Malaysia	1472239.21	1482899	1458126	1486049.98	1574443.02	1465113	1452862.39	1455446.44	1381339.61	1327588.63	1.66%
Korea, Republic of	1653375.63	1589562.22	1733228.46	1641046.13	1352739.39	1345649.23	1388737.7	1411610.79	1362814.09	1301954.3	1.63%
Thailand	1508219.07	1621515.5	1494811.77	1322308.08	1341697.03	1300435.74	1392931.19	1410717.36	1472009.12	1299518.77	1.63%
Iceland	1448543	1362872	1076870	1319394	1067341	1176539	1259169	1043230.97	1019688.75	1039904.31	1.30%
Oman	191563	206169	211037	257022	279588	347539	554558	579186	793418.95	922083.32	1.16%
Myanmar	1131501	1080911	1118020	1107020	1185610	1268120	1147759	1063670	1086720	879630	1.10%
Ecuador	501675	508821	656347	632466	709043	622545	597342	607603.33	636160.87	863227.49	1.08%
Mauritania	422709	372833	363339	388776	594754	779580	952706.75	705849.51	663425	845217.11	1.06%

Argentina	723737	858422	815355	795415	736337	813007	815187	800611	818156.64	835298.8	1.05%
Spain	924883.9	983076.09	1056660.75	969664.38	907661.06	944320.38	927203.93	879479.48	795716.23	799930.33	1.00%
Canada	787305.17	844825.31	838441.55	824025.46	837079.83	806720.01	805265.98	753738.5	707941.5	720098.34	0.90%
Taiwan Province of China	907113.02	924335	1068382.81	989309.02	751437.98	747796.65	803706.79	755094.8	623774.71	700761.9	0.88%
Marine World Total	**77743390.2**	**78778498.12**	**79288943.13**	**80439351.25**	**78210373.08**	**81287744.08**	**84103888.65**	**79911810.16**	**78042910.36**	**79826994.34**	**100.00%**

Source: Food and Agriculture Organization (FAO)

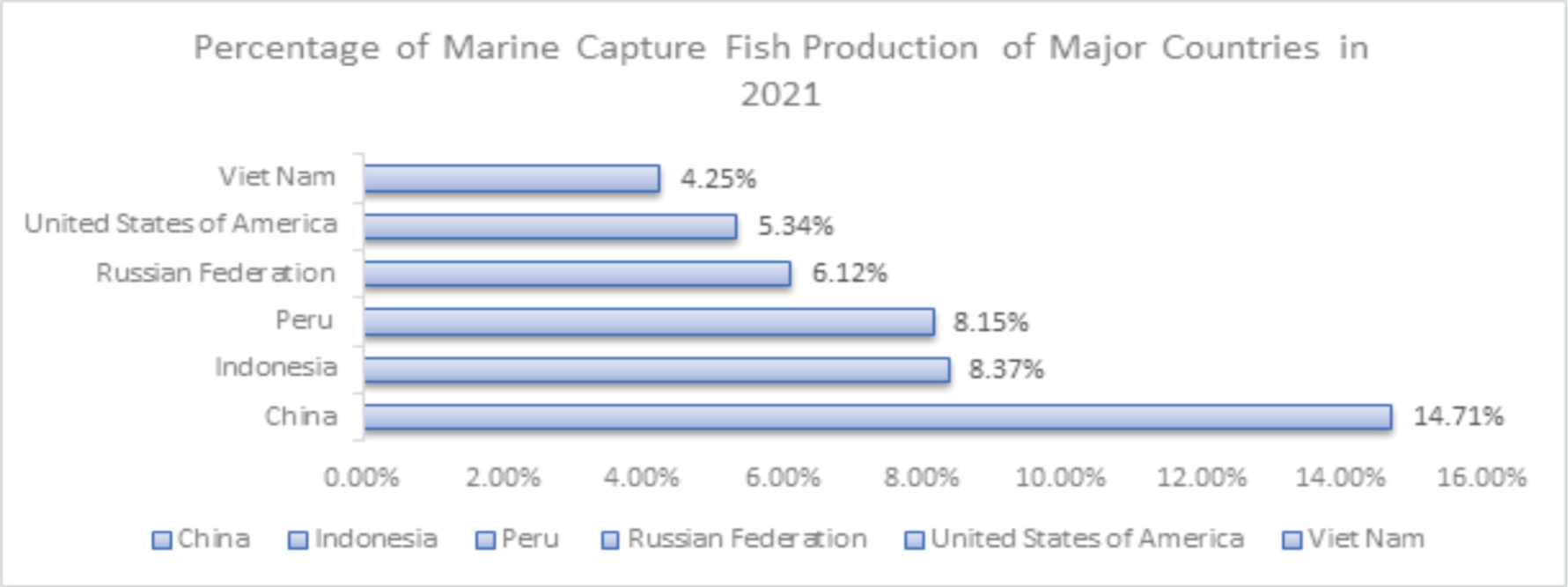


Figure 35: Percentage of Marine Capture Fish Production of Major Countries, 2021

Chapter

13

Post-Harvest Infrastructure





Post-Harvest Infrastructure

Major and Minor Fishing Harbours- Outlays and Expenditure

Table 13.1: Major and Minor Fishing Harbours – Outlays and Expenditure, since inception of the scheme in 1964 (Rs in Lakhs)

Plan period	Major Harbours		Minor Harbours and fish landing center	
	Outlay	Expenditure	Outlay	Expenditure
Third Plan	5	17	0.00	0.00
Three Annual Plan (1966-67 to 1968-69)	253	3	295	157
Fourth Plan	1350	158	600	485
Fifth Plan	1800	1210	1200	321
Annual Plan				
i) 1978-79	500	308	600	394
ii) 1979-80	550	206	0.00	1
Sixth Plan	1700	1320	1900	1795
Seventh Plan	1700	1684	1900	2169
Annual Plan				
i) 1990-91	492	492	432	432
ii)1991-92	500	545	600	600
Eighth Plan	5213	4575	4675	4903
Ninth Plan*	0.00	0.00	11000	6144.96
Tenth Plan*	0.00	0.00	10000	7666.84
Eleventh Plan (2007-08 to 2011-12) *	0.00	0.00	21571.79	21571.79
12th Plan (Implemented from 2012-13 to 2016-17)*				
2012-13	0.00	0.00	5375.86	5375.86
2013-14	0.00	0.00	5234.605	5234.605
2014-15	0.00	0.00	5393.78	5393.78
Blue Revolution Scheme for new projects (2015-16 to 2019-20)				
2015-16	0.00	0.00	10076.85	10076.85
2016-17**	0.00	0.00	9210	9210
Total of 12th Plan	0.00	0.00	35291.095	35291.095
2017-18**	0.00	0.00	14815	14814.97
2018-19	0.00	0.00	29356.17	29356.17
2019-20	0.00	0.00	10273.5	10273.5
Pradhan Mantri Matsya Sampada Yojana (PMMSY)				
2020-21	0.00	0.00	6661.5	6661.5
2021-22	0.00	0.00	10433.2	10433.2
2022-23	12143	12143	2515.55	2515.55
Total	**26206**	**22661**	**164119.81**	**155986.58**

**Includes both Major and Minor Fishing harbours*

***: Establishment of Fishing Harbours and Fish Landing Canters has been subsumed as a component under the CSS on Blue Revolution: Integrated Development and Management of Fisheries. The scheme is implemented w.e.f. 2016-17 in a convergence mode of implementation with sharing the central liability between the CSS of DoF and Sagarmala of Ministry of Shipping.*

**: Includes funds of Rs. 5662.125 lakh released during 2016-17 and Rs. 7496.47 lakh in 2017-18 under Sagarmala of Ministry of Shipping*

Source: State Government\UT Administration\ Port Trust

Major Fishing Harbours

Table 13.2: Major Fishing Harbours

Port	Cost (Rs. Lakhs) *	Year of sanction		Designed Capacity			
			Status	DSV (No)	MFV (No)	Draft (m)	TL
1. Visakhapatnam							
Stage I	955.5	1975	C	90	300	4.5	1,938
Stage II	1,099.20	1978	C	-	-	-	-
Stage III	454.3	1998	C	-	-	-	-
Stage IV	354	2001	C	-	-	-	-
Modernization	15181	2022	UC	-	-	-	-
2. Chennai							
Stage I	1,334.00	1973	C	50	500	3	1,220
Stage II	850	1994	C	No change in capacity. Stage II for additional facilities			
Modernization	9795	2022	UC	-	-	-	-
3. Cochin							
Stage I	494	1971	C	57	450	6	560
Stage II	77.00 (100)	1993	C	No change in capacity. Stage II for additional facilities			
Modernization	980.2	2009	C	-	-	-	-
Modernization	16917	2022	UC	-	-	-	-
4. Kolkata							
Roy Chowk	370	1971	C	15	-	6	120
5. Paradip							
Paradip	2834.00 (3807)	1990	C	50	500	6	2335
Modernization	10891	2022	UC	-	-	-	-
6. Mumbai							
(Sasson Dock)	825 (1,099)	1977	C	-	700	3	1153
Mallet Bunder	9660	2022	UC	-	1286	3.5	384
7. Petuaghat	6,092.65	2008/2010	C	50	320	3	2871

** -Figures in brackets indicate the revised cost. C - Completed/ Commissioned*
UC -Under construction DSV -Deep Sea Vessels
MFV -Mechanized Fishing Vessels
TL -Total length of landing + berthing + outfitting + repair quay/wharf (in meters)
Source: State Government\UT Administration\ Port Trust
- : NA

Major Fishing Harbours (FH) and Fish Landing Centres (FLC)

Table 13.3: Fishing Harbours and Fish Landing Centers constructed / commissioned till, 2022-23*

Location	FH/FLC	Sanctioned cost (Rs. Lakhs)	Location	FH/FLC	Sanctioned cost (Rs. Lakhs)
Andhra Pradesh			**Odisha**		
Kakinada	FH	973.17	Gopalpur	FH	805.3
Nizamapatnam	FH	157.66	Dhamra	FH	70
Bhavanapadu	FH	340	Naugarh (Astrang)	FH	507
Machilipatnam	FH	470.88	Dhamara Stage-II	FH	640
Calingapatnam	FLC	60.35	Chandipur	FLC	15
Etimoga	FLC	61.57	Pathara	FLC	2.5
Baruva	FLC	83.6	Nairi Stage-I	FLC	5.41
Perupalem	FLC	88.86	Nairi-Stage-II	FLC	6
Navvalarevu	FLC	79.35	Jamboo	FLC	73.03
Chintapalli	FLC	79.77	Palaur	FLC	17
Pudimadakara	FLC	78	Kansabansa	FLC	65.1
Mukkam	FLC	79.77	Soran	FLC	9.97
Mynavanilanka	FLC	59.74	Sabelia	FLC	2.42
Vodarevu	FLC	88.86	Chudamani	FLC	14.06
Gondisamudram	FLC	85.62	Panchubisa	FLC	32.68
Isakapalli Pattapupalem	FLC	84.86	Talchua	FLC	110.7
Thatichetlapalem	FLC	79	Kharanasi	FLC	99.9
Bandaruvanipeta	FLC	81.16	Chandrabhaga	FLC	8.32
Mypadu	FLC	92.84	Rushikulya	FLC	9.4
Kothapatanam	FLC	92.47	Tantiapal	FLC	99.06
Anthervedi Pallepalem	FLC	1698	Sorala	FLC	70.28
Goa			Bandara	FLC	160.5
Cortalim	FLC	0.51	Khandiapatana	FLC	105.83
Malim	FLC	89.25	Bhusandpur Baliapatpur	FLC	108.6
Cutbona	FLC	89.2	Bahabalpur	FLC	98.04
Qortalim stage II	FLC	89.31	Kirtania	FLC	172
Chapora	FLC		Talasari	FLC	162.1
Gujarat			Gopalpur on Sea	FLC	96
Veraval	FH	900	Nairi Stage-III	FLC	38.86
Mangrol Stage-I	FH	200	**Tamil Nadu**		
Porbandar	FH	276	Tuticorin	FH	210
Mangrol Stage-II	FH	701	Mallipatnam	FH	10.6
Jhakau	FH	3031	Kodiakarai	FH	14.4

Location	FH/FLC	Sanctioned cost (Rs. Lakhs)	Location	FH/FLC	Sanctioned cost (Rs. Lakhs)
Jafrabad	FLC	25	Vallinokkam	FH	77
Dholai	FH	1477.7	Tondi	FH	56.56
Jakhau-I	FLC	5	Pazhayar	FH	67.32
Vansi-Borsi	FLC	16	Chinnamuttom	FH	684
Kosamba	FLC	13	Muttom (BOT Project)	FH	5392
Mandvi	FLC	16	Chinnamuttom Stage-II	FH	7352
Salaya	FLC	17	Thengapattinam FH	FH	9740
Gujarat			**Tamil Nadu**		
Umarsadi	FLC	5	Colachal	FH	8775
Jakhau	FLC	5	Mookaiyur	FH	11390
Sachana	FLC	20	Cuddalore	FLC	12
Madhavad	FLC	17.76	Rameshwaram	FLC	10
Surajbari	FLC	31.53	Kottaipatnam	FLC	22
Magod Dungari	FLC	38.74	Muttom	FLC	12.6
Dholai	FLC	54.66	Vallapalam	FLC	7.14
Chorwad	FLC	46.12	Vallavillai	FLC	7.5
Port Onjal	FLC	42	Nagapattinam	FLC	0.75
Rajpara	FLC	43.35	Palk Bay	FLC	1
Umergaon	FLC	1	Erawadi	FLC	26
Kolak	FLC	4.15	Poompuhar	FLC	7.87
Hirakot	FLC	0.71	Kodimurai	FLC	7.5
Navapur	FLC	0.61	Punnakkayal	FLC	132.32
Dhamlej	FLC	31	Mudasalodi	FLC	132.32
			Pulicat	FLC	132.32
Karnataka			Sethubavachatram	FLC	132.32
Karwar Stage-I	FH	30	Jagathapathinam	FLC	132.32
Honnavar	FH	75	Arcocuttothurai	FLC	132.32
Tadri	FH	4.59	Soliakudi	FLC	132.32
Mangalore Stage-I	FH	33	Mondapam	FLC	132.32
Malpe Stage-I	FH	426	Nagapattinam	FLC	122
Malpe Stage-II	FH	1146.7	**Kerala**		
Mangaloare Stage -II	FH	75	Vizhinjam Stage I	FH	208
Karwar Stage-II	FH	130	Puthiappa	FH	962.5
Kundapur	FLC	1	Munambam	FH	1167.2
Kagal Heni	FLC	0.6	Vizhinjam stage-II	FH	704
Gangolli Stage-I	FH	832	Neendakara	FH	672
Gangolli	FLC	3.7	Chombal	FH	556

Location	FH/FLC	Sanctioned cost (Rs. Lakhs)	Location	FH/FLC	Sanctioned cost (Rs. Lakhs)
Belikeri	FLC	0.99	Mopla Bay	FH	816
Keni	FLC	0.99	Thangassery	FH	1930.5
Bhatkal	FLC	6	Muthalapozhy	FH	1366
Moolky	FLC	0.1	Kayamkulam	FH	624.6
Sadasivgad	FLC	0.99	Thottappally	FH	1458.3
Belambar	FLC	0.99	Ponnani	FH	27.59
Kodibengre	FLC	55	Kasaragode	FLC	13
Hejmadikudi	FLC	95	Cannanore	FLC	1.46
Alvekodi	FLC	223.99	Neeleswaram	FLC	15
Belikeri Stage-II	FLC	67.4			
Kerala			**West Bengal**		
Munakkadavu	FLC	19	Madanganj	FLC	9.6
Beypore	FLC	2.1	Brajobalapur	FLC	9.65
New Mahe	FLC	24.59	Maya Gaolini ghat	FLC	345.23
Vellayil Beach	FLC	22	**Maharashtra**		
Vallikunu	FLC	17.9	Ratnagiri	FH	1840.5
Chettuvai	FLC	19.5	Agro	FH	414
Arthungal	FLC	32.22	Karanja	FLC	11
Ponnani	FLC	8	Navalgaon	FLC	0.03
Beliapatnam	FLC	13	Borli Mandla	FLC	0.52
Thottappally	FLC	30	Nandgaon	FLC	0.1
Cheruvathur	FLC	18	Nurad	FLC	0.03
Dharmadon	FLC	21	Theorinda	FLC	0.01
South Paravoor	FLC	24.94	Ajanala	FLC	0
Vizhinjam South	FLC	19.1	Ade-Uttambar	FLC	0.02
Vizhinjam North	FLC	19.1	Borin	FLC	0.03
Chalil Gopalpettah	FLC	25	Burondi	FLC	0.05
Quilandy	FLC	23	Bagamandla	FLC	1
Punnapra	FLC	36.8	Datiware	FLC	0.92
Kattor Pollathai	FLC	50.25	Dahanu	FLC	0.99
Thikkodi	FLC	49.25	Dakti-Dahanu	FLC	0.99
Moylakikadappuram	FLC	85.2	Khardanda	FLC	0.82
Kadapra	FLC		Ekdara	FLC	0.01
West Bengal			**Mandavi**	**FLC**	**0.51**
Fraser Ganj	FH	452.32	Mulgaon	FLC	1.86
Digha Stage-I	FH	139	Navapur	FLC	0.2
Digha Stage-II	FH	492.52	Omni-Bhatti	FLC	0.03

Location	FH/FLC	Sanctioned cost (Rs. Lakhs)	Location	FH/FLC	Sanctioned cost (Rs. Lakhs)
Sultanpur	FH	708.16	Thurnvadi	FLC	0.16
(Diamond Harbour)			Thai	FLC	0.55
Harwood point	FH	2462	Uttob	FLC	0.02
Namkhana	FLC	7.06	Vashi	FLC	0.31
Jalda	FLC	9.5	Wadrai	FLC	0.74
New Jalda	FLC	5	Rajpuri	FLC	0.54
Kharpai	FLC	6.3	Jeevne Bundar	FLC	0.54
Kalinagar	FLC	7.13	Mahim Causeway	FLC	23.07
Bamanagar	FLC	4.18	Alibagh Koliwada	FLC	32.53
Ganeshpur	FLC	5.31	Tarkarli	FLC	53.34
Akhoynagar	FLC	3.08	Taramumbri	FLC	97.02
Junapat	FLC	9.8	Achara Peerwada	FLC	55.16
Soula	FLC	13.27	Rajpuri Koliwada	FLC	73.96
Maharashtra			**Pondicherry**		
Ekdara Koliwada	FLC	38.66	Pondicherry	FH	423
Agrao	FLC	0.55	Karaikal	FH	3406.5
A & N Islands	Yanam	FH	1885		
Phoenix Bay	FH	67	Mahe	FLC	0.04
Dairy Farm (Junglighat)	FLC	368	**Daman & Diu and D & N Haveli**		
Lakshadweep			Ghoghla	FLC	52.12
Kavaratti	FLC	11	Vanakbara	FLC	43.8
Minicoy	FLC	15.52			
Agathi	FLC	5			

** The figures are to be reconciled by State/UT's*

Source: State Government\UT Administration\ Port Trust

Major Fishing Harbours and Fish Landing Centres (Continued)

Table 13.4: Fishing Harbours and Fish Landing Centers constructed / commissioned till, 2022-23*

Location	FH/ FLC	Sanctioned Cost (Rs. Lakhs)	LOCATION	FH/ FLC	Sanctioned Cost (Rs. Lakhs)
Goa			**Maharashtra**		
1. Malim	FH	1333	1. Arnala FH	FH	6156
2.Cutbona	FH	2874	2. Mirkarwada (Ratnagiri)	FH	7180.88
3. Chapora	FH	3705			
4. Cortalim	FH	506	3. Karanja	FH	14980
Gujarat			**Odisha**		
1. Mangrol modernization	FH	614.52	1. Penthakata	FLC	80.2
4. Cortalim	FH	506	2. Dhamra (Modernization)	FH	1310
Karnataka			**Tamil Nadu**		
1. Mangalore FH Stage-III	FH	5760	1. Veerapandiapattinam	FLC	132.32
2. Malpe FH Stage-III	FH	3715	2. Poompuhar (FH)	FH	14800
3.Honnavar Stage-II	FH	4744	3. Kunthukal	FLC	7400
4. Amadalli FH (Moder)	FH	1874	4. Mookaiyur FH	FH	11390
5. Gangoli FH Stagae-II	FH	10211	**Puducherry**		
6. Taining walls at Alvekodi and Tenginagundi	FLCs	8608	1. Mahe	FH	7162
4. Amadalli FH (Moder)	FH	1874			
5. Gangoli FH Stagae-II	FH	10211			
Kerala					
1. Koyilandi FH	FH	6399			
2. Thalai FH	FH	3479.5			
3. Cheruvathur FH	FH	2906			
4. Chettuva FH	FH	3024			
5. Thanur (FH)	FH	4487			
6. Vellayil (FH)	FLC	3930.2			
7. Arthungal (FH)	FH	4939			
8. Munakkakkadavu (FLC)	FLC	231			
9. Manjeshwaram (FH)	FH	4880			

Source: State Government/UT Administration/Port Trust

Major Fishing Harbours and Fish Landing Centers (Continued)

Table 13.5: Fishing Harbours and Fish Landing Centers Under Construction/Work in Progress in Blue Revolution and PMMSY Scheme as on FY 2022-23*

Location	FH/ FLC	Sanctioned Cost (Rs. Crores)	Location	FH/ FLC	Sanctioned Cost (Rs. Crores)
ANDHRA PRADESH			**MAHARASHTRA**		
1. Pudimadaka Fishing Harbour	FH	387	5. Korlai FLC	FLC	7.65
2. Budugatlapalem Fishing Harbour	FH	386.2	6. Palshet FLC	FLC	8.34
3. Kothapatnam Fishing Harbour	FH	364	7. Revdanda FLC	FLC	45.96
4. Bheemli Fishing landing centre	FLC	24.864	8. Asgoli FLC	FLC	8.83
5. Chintapalli Fishing landing centre	FLC	23.736	9. Budhal FLC	FLC	6.57

Location	FH/ FLC	Sanctioned Cost (Rs. Crores)	Location	FH/ FLC	Sanctioned Cost (Rs. Crores)
6. Rajayyapeta Fishing landing centre	FLC	24.774	10. Modernisation of Sasson Dock	FH	92.52
7. Rayadaruvu Fishing landing centre	FLC	23.9	11. Anandwadi FH	FH	88.44
8. Dhondavaka Fishing landing centre	FLC	24.864			
9. Uplanka Fishing landing centre	FLC	24.864	**PUDUCHERRY**		
10. Biyyaputhippa Fishing landing centre	FLC	13.58	1. Thengaithitu Fishing Harbour	FH	53.39
11. Juvvaladinne	FH	288.8	2. Periakalapet Fishing Landing Centre	FLC	20.14
ASSAM			3. Nallavadu Fishing Landing Centre	FLC	18.94
1. Chunari Fish Landing Centre	FLC	19.91	4. Upgradation of Puducherry FH	FH	15.63
GUJARAT			**ODISHA**		
1. 3rd Stage of Mangarol FH	FH	155.83	1. Astranga Fishing Harbour (Stage II)	FH	82.86
KARNATAKA			2. Chandipur Fishing Harbour	FH	49.94
1. Kulai	FH	196.51	**TAMILNADU**		
2. Hejamadikodi	FH	138.6	1. Upgradation of Pazhayar Fishing Harbour	FH	26.26
			2. Nettukuppam Fish Landing Centre	FLC	15.7
KERALA			3. Thazankuppam Fish Landing Centre	FLC	3.92
1. Kasargod FH	FH	70.53	4. Arangankuppam Fish Landing Centre	FLC	3.4
2. Upgradation and Modernisation of Ponnani FH	FH	18.73	5. Goonankuppam Fish Landing Centre	FLC	3.4
3. Upgradation and Modernisation of Puthiyappa FH	FH	16.06	**WEST BENGAL**		
4. Upgradation and Modernisation of Koyilandy FH	FH	20.9	1. Modernisation and Upgradation of Petuaghat Fishing Harbour	FH	43.17
MAHARASHTRA			2. Modernisation and Upgradation of Shankarpur Fishing Harbour	FH	44.7
1. Shiroda Fish Landing Centre	FLC	15.24	3. Modernisation and Upgradation of Frasergunj Fishing Harbour	FH	7.05
2. DandiMakrebag Fish Landing Centre	FLC	4.52	4. Modernisation and Upgradation of Kakdwip Fishing Harbour	FH	14.5
3. Taramumbri Fish Landing Centre	FLC	7.76			
4. Dabhol Fish Landing Centre	FLC	9.39			

Source: State Government/UT Administration/Port Trust

Fishing Harbours and Fish Landing Centres Completed/Commissioned

Table 13.6: State-wise details of fishing harbours and fish landing centers completed/commissioned and under construction with the central assistance under the CSS

S. No.	Name of the State/ Union Territory	Notified Landing Centers	Centers taken up for development under CSS	Major fishing harbours commission	Fishing Harbours Minor fishing harbours Commissioned construction	Fish Landing Centers		
						Under	Commissioned	Under construction
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)
1	West Bengal	66	24	2	5	4	13	0
2	Odisha	73	37	1	4	4	28	0
3	Andhra Pradesh	350	38	1	4	4	22	7
4	Tamil Nadu	301	41	1	13	1	20	6

5	Pondicherry	41	9	0	3	3	1	2
6	Kerala	204	51	1	15	8	27	0
7	Karnataka	115	28	0	10	5	13	0
8	Goa	34	7	0	0	2	5	0
9	Maharashtra	173	55	1	2	7	35	10
10	Gujarat	107	28	0	6	1	21	0
11	Daman & Diu	12	2	0	0	0	2	0
12	Andaman & Nicobar Islands	51	18	0	1	0	17	0
13	Lakshadweep	20	3	0	0	0	3	0
	Total: #	**1547**	**341**	**7**	**63**	**39**	**207**	**25**

* 4 FLCs approved under the Tsunami Rehabilitation Package (TRP). Besides, 13 FLCs under the UT plan.

Creation of infrastructure facilities at a total of 341 fishing centers against 1547 existing fishing centers in the Country has been taken up, which forms about 22.04% coverage.

The figures are to be reconciled by State/UT's

Source: State Government\UT Administration\ Port Trust

Details of Ice Plants Unit (2021-22).

Table 13.7(a): Number of Functioning Ice Plant Units for FY 2021-2022

S. No	States/UTs	Unit (in No. s)	Average Production Capacity per Unit (In Tonne)	Total Production Capacity (In Tonne)
1	Andhra Pradesh	242	5210	1250400
2	Arunachal Pradesh	0	0	0
3	Assam	0	0	0
4	Bihar	0	0	0
5	Chhattisgarh	2	10	20
6	Goa	25	0	0
7	Gujarat	385	2241	862680
8	Haryana	0	0	0
9	Himachal Pradesh	3	10	3650
10	Jharkhand	0	0	0
11	Karnataka	271	25.37	6875
12	Kerala	349	10	1827
13	Madhya Pradesh	11	15	165
14	Maharashtra	32	210	990
15	Manipur	0	0	0
16	Meghalaya	2	20	6240
17	Mizoram	10	5	2500
18	Nagaland	0	0	0
19	Odisha	138	4304	594000
20	Punjab	0	0	0
21	Rajasthan	0	0	0
22	Sikkim	1	0	0
23	Tamil Nadu	0	0	0
24	Telangana	31	115	254
25	Tripura	82	0.5	20.5
26	Uttar Pradesh	0	0	0
27	Uttarakhand	0	0	0
28	West Bengal	219	3.5	770
29	A and N Islands	16	13.8	222
30	Chandigarh	0	0	0

31	Daman and Diu, D & Nagar Haveli	31	805	805
32	Delhi	0	0	0
33	Jammu & Kashmir	0	0	0
34	Ladakh	0	0	0
35	Lakshadweep	8	5	40
36	Puducherry	0	0	0
	Total	**1858**	**13003.17**	**2731458.5**

Source: State Government\UT Administration\ Port Trust

Details of Ice Plants Unit (2022-23)

Table 13.7(b): Number of Functioning Ice Plant Units for FY 2022-2023

S. No	States/UTs	Unit (in No. s)	Average Production Capacity per Unit (In Tonne)	Total Production Capacity (In Tonne)
1	Andhra Pradesh	258	5329	1374960
2	Arunachal Pradesh	0	0	0
3	Assam	0	0	0
4	Bihar	8	30	100
5	Chhattisgarh	0	0	0
6	Goa	25	0	0
7	Gujarat	385	2241	862680
8	Haryana	0	0	0
9	Himachal Pradesh	1	20	7300
10	Jharkhand	0	0	0
11	Karnataka	276	26.52	7319
12	Kerala	343	10	1806
13	Madhya Pradesh	18	15	270
14	Maharashtra	23	160	830
15	Manipur	0	0	0
16	Meghalaya	3	25	86040
17	Mizoram	10	5	2500
18	Nagaland	0	0	0
19	Odisha	140	4314	604000
20	Punjab	0	0	0
21	Rajasthan	0	0	0
22	Sikkim	0	0	0
23	Tamil Nadu	0	0	0
24	Telangana	33	116	279
25	Tripura	82	0.5	41
26	Uttar Pradesh	0	0	0
27	Uttarakhand	0	0	0
28	West Bengal	230	3.54	805
29	A and N Islands	20	11.6	232
30	Chandigarh	0	0	0
31	Daman and Diu, D & Nagar Haveli	34	945	945
32	Delhi	0	0	0
33	Jammu & Kashmir	0	0	0
34	Ladakh	0	0	0
35	Lakshadweep	8	5	40
36	Puducherry	0	0	0
	Total	**1897**	**13257.16**	**2950147**

Source: State Government\UT Administration\ Port Trust

Chapter

14 Fisheries Development



Fisheries Development

1. Development of Fisheries Sector Under Blue Revolution Scheme

Table 14.1: Statement of Physical achievements under the component of Motorization of Traditional Craft (MTC) under Blue Revolution Scheme in various States/UTs during last 5 years from 2014-15 to 2019-20

S. No	Name of the States	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	76	50	100	100	100	No Releases	426
2	Andhra Pradesh	-	-	-	500	300	-	800
3	Daman & Diu	25	-	-	-	-	-	25
4	Goa	133	-	60	48	50.00	-	291
5	Gujarat	733	-	100	-	-	-	833
6	Karnataka	304	386	300	219	300.00	-	1509
7	Kerala	-	400	-	-	-	-	400
8	Lakshadweep	-	-	-	111	111	-	222
9	Odisha	1658	-	437	900	1000	-	3995
10	Puducherry	-	-	167	-	40	-	207
11	Tamil Nadu	634	0.00	-	-	2600	-	3234
	Grand Total	**3563**	**836**	**1164**	**1878**	**4501**	**0.00**	**11942**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.2: Safety of fishermen at sea Physical under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	1756	-	-	-	-	1756
2	Andhra Pradesh	1625	-	-	-	-	1625
3	Goa	-	100	-	-	-	100
4	Karnataka	-	-	-	375	-	375
5	Kerala	-	-	120	200	-	320
6	Maharashtra	224	2735	-	-	-	2959
7	Lakshadweep	-	-	-	-	35	35
8	Odisha	450	95	-	500	-	1045
9	Puducherry	-	-	-	120	-	120
10	Tamil Nadu	1667	-	-	-	4997	6664
	Grand Total	**5722**	**2930**	**120**	**1195**	**5032**	**14999**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.3 Assistance to Traditional/Artisanal fishermen Procurement of FRP boats up to 10m OAL Physical units under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	A & N Islands	-	-	20	15	-	35
2	Andhra Pradesh	-	-	50	100	-	150
3	Daman & Diu	-	-	-	-	-	0.00
4	Goa	-	25	20	15	-	60
5	Karnataka	-	24	-	30	-	54
6	Kerala	-	-	120	200	-	320
7	Lakshadweep	-	-	-	-	-	0.00
8	Maharashtra	-	10	-	-	-	10
9	Odisha	-	100	75	-	-	175
10	Tamil Nadu	-	100	-	200	-	300
	Grand Total	**0.00**	**259**	**285**	**560**	**-**	**1104.00**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.4: Open Sea Cage Culture Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	-	-	7	-	-	7
2	Andhra Pradesh	-	-	318	-	-	318
3	Goa	-	-	120	-	-	120
4	Karnataka	-	60	-	-	-	60
5	Kerala	-	160	-	-	-	160
6	Maharashtra	-	5	-	100	-	105
	Grand Total	**0.00**	**225**	**445**	**100**	**0.00**	**770**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.5: Seaweed Cultivation- Rafts sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	-	-	10	-	-	10
2	Andhra Pradesh	-	-	10000	-	-	10000
3	Gujarat	-	100	-	-	-	100
4	Karnataka	-	-	-	500	-	500
5	Tamil Nadu	-	-	-	-	-	0.00
	Grand Total	**0.00**	**100**	**10010**	**500.00**	**-**	**10610.00**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.6: Bivalve Culture (Rafts) Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Karnataka	-	50	-	200	-	250
2	Kerala	-	-	2000	1000	-	3000
3	Maharashtra	-	20	-	-	-	20
	Grand Total	**0.00**	**70**	**2000**	**1200**	**0.00**	**3270**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.7: Pearl Culture Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
		Physical (Unit)	Physical (Unit)	Physical (Unit)	Physical (Unit)	Physical (Unit)	Physical (Unit)
1	A & N Islands	-	-	1	-	-	1
2	Gujarat	-	1	-	-	-	1
3	Rajasthan	-	-	1	2	-	3
4	Maharashtra	-	-	-	1	-	1
	Grand Total	**0.00**	**1**	**2**	**3**	**0.00**	**6**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.8: Introduction of deep-sea fishing vessels (24m OAL and above) under PPP mode Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	A & N Islands	-	-	-	2	-	2
2	Andhra Pradesh	-	-	12	-	-	12
3	Daman & Diu	-	-	5	-	-	5
4	Gujarat	-	-	10	135	-	145
5	Tamil Nadu	-	-	663	-	-	663
6	Karnataka	-	1	-	-	-	1
7	Odisha	-	-	-	-	4	4
	Grand Total	**0.00**	**1**	**690**	**137**	**4.00**	**832**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.9: Renovation of Ice Plant Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-20)
1	Daman & Diu	-	-	1	-	-	1
2	Karnataka	-	120	-	-	7.00	127
	Grand Total	**0.00**	**120**	**1**	**0.00**	**7**	**128**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.10: Establishment of FH/FLC Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	Andhra Pradesh	-	-	-	-	2	2
2	Goa	-	1	-	-	-	1
3	Gujarat	-	-	-	-	-	0.00
4	Karnataka	Committed liability	-	-	1	1	2
5	Kerala	-	-	-	-	-	0.00
6	Maharashtra	-	3	-	-	-	3
7	Odisha	-	-	-	1	-	1
8	Puducherry	-	-	-	-	-	0.00
9	Tamil Nadu	-	1	-	-	-	1
10	West Bengal	-	-	-	-	-	0.00
	Grand Total	**0.00**	**5**	**0.00**	**2**	**3**	**10**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.11: Ice Plants Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	Andhra Pradesh	-	60	-	1	-	61
2	Chhattisgarh	-	3	-	-	-	3
3	Goa	-	3	-	-	-	3
4	Gujarat	-	-	3	-	-	3
5	Karnataka	-	-	7.00	-	4.00	11
6	Madhya Pradesh	-	2	1	-	30	33
7	Maharashtra	-	1	4	70	-	75
8	Mizoram	-	-	2	-	-	2
9	Nagaland	-	-	-	-	-	0.00
10	Tamil Nadu	-	-	-	-	-	0.00
11	Telangana	-	-	-	30	-	30
	Grand Total	**0.00**	**69**	**17**	**101**	**34**	**221**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.12: Cold Storage Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-18)
1	Andhra Pradesh	-	-	-	1	-	1
2	Goa	-	3	-	-	-	3
3	Jharkhand	-	1	-	-	-	1
4	Karnataka	-	-	1	-	-	1
5	Maharashtra	-	-	2	-	-	2
	Grand Total	**0.00**	**4**	**3**	**1**	**0.00**	**8**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.13: Ice Plant cum Cold Storage Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	Total
1	Jammu & Kashmir	-	25	-	-	25
2	Karnataka	-	78	-	-	78
3	Maharashtra	-	-	1	-	1
	Grand Total	**0.00**	**103**	**1**	**0.00**	**104**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.14: Refrigerated/ Insulated Truck 10t capacity Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Andhra Pradesh	-	-	-	20	-	20
2	Andaman & N Is.	-	-	1	3	-	4
3	Arunachal Pradesh	-	-	1	-	-	1
4	Assam	-	-	1	-	-	1
5	Bihar	-	-	-	100	-	100
6	Chhattisgarh	-	-	-	1	1	2
7	Daman & Diu	-	-	3	-	-	3
8	Goa	-	13	4	3	-	20
9	Karnataka	-	5	1.00	15.00	-	21
10	Madhya Pradesh	-	-	2	-	-	2
11	Maharashtra	-	-	6	9	-	15
12	Meghalaya	-	-	4	2	-	6
13	Odisha	-	-	-	7	-	7
14	Rajasthan	-	-	-	2	-	2
15	West Bengal	-	-	2	-	-	2
	Grand Total	**0.00**	**18**	**25**	**162**	**1**	**206**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.15: Insulated Truck 6 t capacity Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Arunachal Pradesh	-	-	1	-	-	1
2	A & N Islands	2	-	1	1	-	4
3	Andhra Pradesh	-	10		-	-	10
4	Assam	1	-	1	-	-	2
5	Goa	-	6	-	-	-	6
6	Karnataka	-	2	1	35	-	38
7	Madhya Pradesh	-	-	-	-	1	1
8	Maharashtra	-	-	6	2	-	8
9	Meghalaya	-	-	4	-	-	4
10	Odisha	-	-	-	29	-	29
11	Telangana	2	-	-	-	-	2
12	Uttarakhand	1	1	-	-	-	2
13	West Bengal	-	3	2	-	-	5
	Grand Total	**6**	**22**	**16**	**67**	**1**	**112**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table: 14.16 Setting up mobile/retail fish outlet (Kiosk) Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Andhra Pradesh	-	50	-	-	-	50
2	Bihar	-	-	-	31	-	31
3	Chhattisgarh	-	-	-	5	-	5
4	Goa	-	5	4	-	-	9
5	Karnataka	-	3	1	10	-	14
6	Madhya Pradesh	-	-	2	26	-	28
7	Maharashtra	-	-	4	-	-	4
8	Odisha	5	-	-	-	-	5
9	Punjab	-	25	-	-	-	25
10	Telangana	-	-	-	50	-	50
11	Uttarakhand	-	-	-	-	4	4
	Grand Total	**5**	**83**	**11**	**122**	**4**	**225**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.17: Auto Rickshaw with Ice box units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	10	-	10	10	-	30
2	Andhra Pradesh	1	-	-	200	-	201
3	Assam	43	-	-	-	-	43
4	Chhattisgarh	-	38	10	10	10	68
5	Goa	-	20	-	-	-	20
6	Haryana	-	-	80	-	-	80
7	Jammu & Kashmir	-	20	20	-	-	40
8	Jharkhand	-	-	-	10	-	10
9	Karnataka	-	-	-	10.00	-	10
10	Madhya Pradesh	-	-	-	-	54	54
11	Maharashtra	-	-	7	1	-	8
12	Odisha	-	50	80	50	-	180
13	Rajasthan	-	-	-	1	-	1
14	Tripura	-	51	-	-	20	71
15	Uttar Pradesh	-	6	-	10	-	16
	Grand Total	**54**	**185**	**207**	**302**	**84**	**832**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.18: Motorcycle with Ice box Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Assam	128	-	3	-	-	131
2	Chhattisgarh	-	166	100	200	200	666
3	Goa	-	20	20	10	-	50
4	Jammu & Kashmir	-	1016	-	-	-	1016
5	Karnataka	-	150	-	100	-	250
6	Madhya Pradesh	-	14	65	50	682	811
7	Maharashtra	-	-	11	66	-	77
8	Odisha	-	500	-	300	-	800
9	Rajasthan	-	-	-	1	-	1
10	Tamil Nadu	887	-	-	-	-	887
11	Uttar Pradesh	-	56	-	700	11	767
11	Uttarakhand	-	-	8	-	-	8
12	West Bengal	-	100	50	-	-	150
	Grand Total	**1015**	**2022**	**257**	**1427**	**893**	**5614**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.19: Bicycle with Ice box Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Assam	1277	-	-	-	-	1277
2	Chhattisgarh	-	800	-		-	800
3	Jammu & Kashmir	-	-	1200	-	-	1200
4	Uttar Pradesh	-	84	-	-	-	84
	Grand Total	**1277**	**884**	**1200**	**0.00**	**0.00**	**3361**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.20: Solar power support system Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Andhra Pradesh	-	10	-	-	-	10
2	Arunachal Pradesh	-	-	5	-	-	5
3	Assam	-	-	45	-	-	45
4	Chhattisgarh	-	-	-	10	-	10
5	Himachal Pradesh	-	4	7	2	-	13
6	Jammu & Kashmir	-	-	3	-	-	3
7	Jharkhand	-	-	-	10	-	10
8	Karnataka	-	-	-	10	-	10
9	Madhya Pradesh	-	-	-	-	3	3
10	Nagaland	-	-	-	10	-	10
11	Punjab	-	-	-	15	-	15
12	Sikkim	-	-	-	-	2	2
13	Tamil Nadu	-	4	-	-	-	4
14	Tripura	-	3	-	4	5	12
15	Uttar Pradesh	-	9	13	-	43	65
16	Uttarakhand	-	1	15	-	-	16
	Grand Total	**0.00**	**31**	**88**	**61**	**53**	**233**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.21: Innovative Activities Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Arunachal Pradesh	-	-	23	-	-	23
2	Assam	-	-	1	-	-	1
3	Himachal Pradesh	-	-	-	1	-	1
4	Punjab	-	1	-	-	-	1
5	Sikkim	-	1	-	-	-	1
6	Telangana	-	-	-	1	-	1
7	Uttar Pradesh	1	-	-	-	-	1
8	Uttarakhand	1	-	-	-	-	1
9	West Bengal	-	-	1	-	-	1
	Grand Total	**2**	**2**	**25**	**2**	**0.00**	**31**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.22: Saving cum Relief Assistance provided to fishers under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Bihar	10000	-	-	-	-	10000
2	Chhattisgarh	8000	6665	6666	8500	7740	37571
3	Goa	5197	5416	-	-	-	10613
4	Himachal Pradesh	4641	5092	-	2696	3717	16146
5	Karnataka	39048	-	34239	-	35757	109044
6	Kerala	197058	-	-	-	680250	877308
7	Madhya Pradesh	16143	6667	10000	15100	12318	60228
8	Maharashtra	-	2000	-	-	-	2000
9	Mizoram	-	-	-	5355	6283	11638
10	Odisha	25110	-	10000	-	5992.00	41102
11	Puducherry	27691	3333	-	37488	15379	83891
12	Rajasthan	1451	-	-	-	-	1451
13	Tamil Nadu	108031	-	-	-	-	108031
14	Telangana	1123	-	-	-	-	1123
15	Tripura	-	-	835	1000	-	1835
	Grand Total	**443493**	**29173**	**61740**	**70139**	**767436**	**1371981**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.23: Number of Housing for fishers sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	100	-	-	-	-	100
2	Andhra Pradesh	1300	-	-	1340	1500	4140
3	Arunachal Pradesh	92	-	48	100	-	240
4	Assam	-	75	50	200	-	325
5	Bihar	-	-	-	1000	-	1000
6	Chhattisgarh	400	-	-	200	-	600
7	Gujarat	100	100	-	-	-	200
8	Himachal Pradesh	133	-	-	200	200	533
9	Jammu & Kashmir	133	-	200	200	657	1190
10	Jharkhand	1000	417	-	1000	-	2417
11	Kerala	-	167	-	132	-	299
12	Madhya Pradesh	195	167	-	-	-	362
13	Maharashtra	-	65	-	-	-	65
14	Mizoram	200	-	43	50	80	373
15	Manipur	-	-	34	-	-	34
16	Nagaland	270	-	-	-	1800	2070
17	Rajasthan	-	20	-	-	-	20
18	Tripura	250	-	140	1493	-	1883
19	Uttar Pradesh	327	-	313	-	1400	2040
20	Uttarakhand	309	666	-	600	-	1575
21	West Bengal	-	-	122	300	-	422
	Grand Total	**4809**	**1677**	**950**	**6815**	**5637**	**19888**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.24: Construction of community hall Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Assam	-	1	-	-	-	1
2	Himachal Pradesh	-	-	1	-	-	1
3	West Bengal	-	-	1	-	-	1
	Grand Total	**0.00**	**1**	**2**	**0.00**	**0.00**	**3**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.25: Insurance for Active fishers provided under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2019-20	2019-20	Total
		Physical (No.)	Physical (No.)	Physical (No.)	Physical (No.)	Physical (No.)	Physical (No.)
1	A & N Islands	14839	14839	14839	-	-	44517
2	Andhra Pradesh	404242	405347		-	-	809589
3	Arunachal Pradesh	10000	7000	1000	-	-	18000
4	Assam	164939	157325	157325	-	-	479589
5	Bihar	300000	300000	300000	-	-	900000
6	Chhattisgarh	210000	210000	210000	-	-	630000
7	Daman & Diu	9500	9500	9500	-	-	28500
8	Delhi	-	-	400	-	-	400
9	Goa	12721	11847	11840	-	-	36408
10	Gujarat	218270	218270	218270	-	-	654810
11	Himachal Pradesh	12153	12901	13413	-	-	38467
12	Jammu & Kashmir	15000	15000	15000	-	-	45000
13	Jharkhand	114500	126000	126000	-	-	366500
14	Karnataka	204689	204689	204689	-	-	614067
15	Kerala	237501	-	-	-	-	237501
16	Lakshadweep	12052	12052	12052	-	-	36156
17	Madhya Pradesh	175199	180988	184933	-	-	541120
18	Maharashtra	323838	323838	323838	-	-	971514
19	Manipur	12000	12000	1000	-	-	25000
20	Mizoram	10000	10000	1000	-	-	21000
21	Odisha	1111111	1150000	1150000	-	-	3411111
22	Puducherry	54367	54367	54367	-	-	163101
23	Punjab	1500	5000	5000	-	-	11500
24	Rajasthan	10833	11027	11220	-	-	33080
25	Sikkim	7000	7000	1000	-	-	15000
26	Tamil Nadu	716308	666380	666380	-	-	2049068
27	Telangana	276799	326154	326154	-	-	929107
28	Tripura	1000	1000	1000	-	-	3000
29	Uttar Pradesh	193000	193000	193000	-	-	579000
30	Uttarakhand	2000	2000	1000	-	-	5000
31	West Bengal	221563	-	-	-	-	221563
	Grand Total	**5056924**	**4647524**	**4214220**	**0.00**	**0.00**	**13918668**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.26: Training, Skill development Physical & Financial status under Fisheries Sector for FY 2015-18(Rs in Lakhs)

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	Total of (2015-18)
		Physical (No.)	Physical (No.)	Physical (No.)	Physical (No.)	Physical (No.)
1	Andhra Pradesh	1120	3500	-	-	4620
2	Arunachal Pradesh	100	-	-	-	100
3	Assam	834	20	-	-	854
4	Bihar	700	-	-	-	700
5	Chhattisgarh	1430	-	-	400	1830
6	Goa	-	200	-	-	200
7	Gujarat	20	500	-	-	520
8	Haryana	760	-	-	-	760
9	Himachal Pradesh	920	-	-	-	920
10	Jammu & Kashmir	920	20	-	-	940
11	Jharkhand	100	2000	-	-	2100
12	Karnataka	-	910	-	250	1160
13	Kerala	-	440	-	-	440
14	Madhya Pradesh	100	530	200	200	1030
15	Maharashtra	820	-	-	-	820
16	Manipur	700	300	-	-	1000
17	Meghalaya	100	2924	-	-	3024
18	Mizoram	425	-	-	-	425
19	Nagaland	240	-	-	-	240
20	Odisha	1450	-	50	-	1500
21	Punjab	724	100	-	-	824
22	Rajasthan	600	-	-	-	600
23	Sikkim	180	-	-	-	180
24	Tamil Nadu	300	90	-	-	390
25	Telangana	500	1009	-	1000	2509
26	Tripura	2950	-	-	-	2950
27	Uttar Pradesh	1580	-	-	-	1580
28	Uttarakhand	176	350	-	-	526
29	West Bengal	220	880	45	-	1145
	Grand Total	**17969**	**13773**	**295**	**1850**	**32037**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.27: Construction of new ponds/Tanks Areas (Ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	A & N Islands	-	-	25	0.9	4.1	-	30.0
2	Andhra Pradesh	57.19	54.61	0.00	-	-	-	111.8
3	Assam	124.29	304.82	181.65	-	-	-	610.8
4	Arunachal Pradesh	-	-	-	-	50	-	50.0
5	Bihar	10	9.63	150.06	-	500	-	669.7
6	Chhattisgarh	669	-	200	288.82	300	550	2007.8
7	Goa	-	-	-	2	-	-	2.0
8	Gujarat	-	-	16	9.32	-	-	25.3
9	Haryana	1786	258.46	100	50	200	-	2394.5
10	Himachal Pradesh	-	22	15	0.57	20	-	57.6
11	Jammu & Kashmir	-	-	10	10	-	-	20.0
12	Karnataka	-	-	68	150.03	105	-	323.0
13	Kerala	-	977	15	-	-	-	992.0
14	Madhya Pradesh	1315	227	122	28	100	327.3	2119.3
15	Maharashtra	-	-	115	-	19.21	-	134.2
16	Manipur	843	450	0.00	77	100	-	1470.0
17	Meghalaya	-	-	70.5	-	1000	-	1070.5
18	Mizoram	2700	1275	25	-	30	-	4030.0
19	Nagaland	304	488	50	-	-	-	842.0
20	Odisha	1056	2447	340	-	130	-	3973.0
21	Puducherry	-	-	11	-	-	-	11.0
22	Punjab	-	-	1.12	-	1000	-	1001.1
23	Rajasthan	-	-	8	-	-	10	18.0
24	Tamil Nadu	10.44	-	100	-	-	-	110.4
25	Telangana	13.48	-	20	100	500	-	633.5
26	Tripura	-	543	-	208.52	50	20	821.5
27	Uttar Pradesh	3739	3691	22	25	375	300	8152.0
28	Uttarakhand	-	60	10	-	-	11.5	81.5
29	West Bengal	552	931	77	-	-	-	1560.0
	Grand Total	**13179.4**	**11738.52**	**1752.33**	**950.16**	**4483.31**	**1218.80**	**33322.52**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.28: Renovation of existing ponds/tanks (Ha) units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2018-19	Total
1	A & N Islands	-	-	30	-	-	30
2	Andhra Pradesh	-	-	145	-	-	145
3	Assam	226.58	32	-	-	-	258.58
4	Arunachal Pradesh	-	-	-	50	-	50
5	Bihar	-	-	-	-	-	0.00
6	Chhattisgarh	350	100	-	-	-	450
7	Goa	-	26.7	24	-	-	50.7
8	Gujarat	-	-	2	-	-	2
9	Haryana	196	210	-	-	-	406
10	Himachal Pradesh	-	10	-	-	-	10
11	Jammu & Kashmir	-	30	-	-	-	30
12	Karnataka	-	10	-	-	-	10
13	Kerala	-	80	150	-	-	230
14	Madhya Pradesh	947	-	9.5	-	-	956.5
15	Maharashtra	-	50	-	-	-	50
16	Manipur	-	-	-	-	-	0.00
17	Meghalaya	4	44	-	-	-	48
18	Mizoram	1000	100	-	-	-	1100
19	Nagaland	-	120	-	-	-	120
20	Odisha	-	138	10	-	-	148
21	Puducherry	-	-	-	-	-	0.00
22	Punjab	-	10.16	-	-	-	10.16
23	Rajasthan	-	-	-	-	-	0.00
24	Tamil Nadu	3	70	-	-	-	73
25	Telangana	-	-	-	-	-	0.00
26	Tripura	-	12.4	3.56	-	-	15.96
27	Uttar Pradesh	-	325	325	-	-	650
28	Uttarakhand	40	5	-	5.37	-	50.37
29	West Bengal	-	72.9	24.56	-	-	97.46
	Grand Total	**2766.58**	**1446.16**	**723.62**	**55.37**	**0.00**	**4991.73**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.29: Renovation of MNERGA ponds & tanks with Input developed under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16 Physical (Ha.)	2016-17 Physical (Ha.)	2017-18 Physical (Ha.)	2017-18 Physical (Ha.)	Total of (2015-18) Physical (Ha.)
1	Bihar	-	260	-	-	260
2	Karnataka	-	-	-	139	139
3	Madhya Pradesh	-	-	-	200	200
4	Maharashtra	-	-	-	66.8	66.8
5	Meghalaya	-	-	-	50	50
6	Mizoram	-	-	-	-	0.00
7	Tamil Nadu	-	30	-	-	30
8	Tripura	-	280	-	387.5	667.5
9	Uttar Pradesh	-	-	-	500	500
	Grand Total	**0.00**	**570**	**0.00**	**1343.3**	**1913.3**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.30: Establishment of BW Hatcheries Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2019-20	Total
1	Andhra Pradesh	-	-	6	-	6
2	Gujarat	-	3	-	-	3
3	Madhya Pradesh	-	1	-	-	1
4	Odisha	-	-	8	-	8
5	Rajasthan	-	-	1	-	1
6	Karnataka	-	-	-	1	1
	Grand Total	**0.00**	**4**	**15**	**1**	**20**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.31: Establishment of Fish Seed Hatcheries Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20during 2015-16 to 2019-20

S. No	Name of the States	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Arunachal Pradesh	-	-	-	1	2	-	3
2	Assam	-	-	10	22	20	-	52
3	Bihar	-	-	20	-	4	-	24
4	Chhattisgarh	-	-	4	3	2	-	9
5	Gujarat	3	-	5	-	-	-	5
6	Haryana	-	-	-	2	-	-	2
7	Himachal Pradesh	-	-	4	16	12	-	32
8	Jammu & Kashmir	-	0.00	2	2	3	-	7
9	Jharkhand	-	-	4	4	-	-	8
10	Karnataka	-	-	1	-	10	-	11
11	Madhya Pradesh	-	-	4	10	8	-	22
12	Maharashtra	-	1	9	-	7	-	17
13	Manipur	-	0.00	-	6	6	-	12
14	Meghalaya	-	2	3	-	-	-	5
15	Mizoram	-	0.00	4	4	4	7	19
16	Nagaland	2	0.00	2		4	-	6
17	Odisha	1	0.00	10	12	-	-	22
18	Punjab	-	-	-	10	-	-	10
19	Rajasthan	-	-	1	-	-	2	3
20	Sikkim	-	-	-		3	-	3
21	Tamil Nadu	1	0.00	-	5	-	-	5
22	Telangana	-	-	5	17	60	-	82
23	Tripura	-	-	3	10	2	2	17
24	Uttar Pradesh	-	-	10	33	2	7	52
25	Uttarakhand	-	-	1	-	-	-	1
26	West Bengal	3	-	2	4		-	6
	Grand Total	**10**	**-**	**104**	**161**	**149**	**18**	**435**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying

- : NA

Table 14.32: Construction of Brackish water Nursery Pond (Ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	Total
1	Andhra Pradesh	-	-	70	-	70.00
2	Gujarat	-	-	1	-	1.00
3	Odisha	-	-	-	48	48.00
	Grand Total	**0.00**	**0.00**	**71**	**48**	**119**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.33: Construction of Brackish water Grow out pond (Ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	Total
1	Andhra Pradesh	-	-	75	75
2	Goa	-	-	1	1
3	Gujarat	-	-	22	22
4	Tamil Nadu	-	-	60	60
5	Odisha	-	-	100	100
	Grand Total	**0.00**	**0.00**	**258**	**258**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 13.34: Construction of Raceways Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the Sates	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Arunachal Pradesh	-		22	40	-	62
2	Himachal Pradesh	-	106	117	330	-	553
3	Jammu & Kashmir	-	114	59	80	-	253
4	Meghalaya	-		-	10	-	10
5	Mizoram	-	10	-	-	-	10
6	Sikkim	-	100	-	250	310	660
7	Uttarakhand	-	60	96	158	138	452
8	West Bengal	-	25	-	-	-	25
	Grand Total	**0.00**	**415**	**294**	**868**	**448**	**2025**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.35: Running cold water in earthen units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	Total
1	Mizoram	-	20	-	20
2	Sikkim	-	50	-	50
3	Uttarakhand	-	60	-	60
4	West Bengal	-	25	-	25
	Grand Total	**0.00**	**155**	**0.00**	**155**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.36: Development of Waterlogged Area (Ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2018-19	Total
1	Bihar	-	-	-	1123.6	-	1123.6
2	Haryana	-	20	-	100	-	120
3	Kerala	-	-	80	80	-	160
4	Mizoram	-	10	-	20	-	30
5	Odisha	-	55	-	-	-	55
6	West Bengal	-	160	-	-	-	160
7	Uttar Pradesh	-	-	-	-	7	7
8	Uttarakhand	-	-	-	10	2	12
	Grand Total	**0.00**	**245**	**80**	**1333.6**	**9**	**1667.6**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.37: Productive Utilization for Pond Construction in Alkaline Saline (Ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Delhi	-	-	10	-	-	10
2	Haryana	-	15	21	150.00	-	186
3	Himachal Pradesh	-	25	-	-	-	25
4	Punjab	-	-	50	100	-	150
5	Rajasthan	-	-	-	-	10	10
6	Uttar Pradesh	-	-	-	-	10	10
	Grand Total	**0.00**	**40**	**81**	**250**	**20**	**391**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.38: Fish Seed Rearing Area (ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Andhra Pradesh	-	-	100	-	-	100
2	Arunachal Pradesh	-	-	4	-	-	4
3	Assam	20	-	90	-	-	110
4	Bihar	-	-	-	1151	-	1151
5	Chhattisgarh	-	13.5	142	150	250	555.5
6	Haryana	-	-	256	-	-	256
7	Himachal Pradesh	-	-	13	-	-	13
8	Karnataka	-	10	2	-	-	12
9	Madhya Pradesh	-	-	25	52	48	125
10	Maharashtra	-	10	-	10	-	20
11	Manipur	-	-	11.4	60	-	71.4
12	Mizoram	-	10	9.4	22	30	71.4
13	Nagaland	15	-	-	60	-	75
14	Rajasthan	-	-	33	50	-	83
15	Telangana	-	10	76	500	-	586
16	Tripura	-	-	21	-	-	21
17	Uttar Pradesh	41.91	20	265	-	23	349.91
18	Uttarakhand	-	14	30	26.15	-	70.15
19	West Bengal	-	-	5	-	-	5
	Grand Total	**76.91**	**87.5**	**1082.8**	**2081.15**	**351**	**3679.36**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.39: Brood Bank Facility Physical sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Chhattisgarh	-	-	-	1	-	1
2	Jammu & Kashmir	-	-	1	-	-	-
3	Meghalaya	-	-	1	1	-	2
4	Punjab	-	1	1	-	-	2
5	Telangana	-	-	-	1.00	-	-
6	Uttar Pradesh	-	-	1	-	-	1
7	Uttarakhand	-	-	1	1	-	2
	Grand Total	**0.00**	**1**	**5**	**4**	**0.00**	**10**

*Punjab has been sanctioned 1 integrated Hatchery @cost of Rs 10.00 Crore
Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.40: Craft & Gear for Inland Capture Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	Andhra Pradesh	-	500	480	-	-	980
2	Arunachal Pradesh	-	-	-	10	-	10
3	Assam	-	-	592	-	-	592
4	Goa	-	50	20	10	-	80
5	Haryana	-	37	-	-	-	37
6	Himachal Pradesh	-	-	-	250	-	250
7	Jammu & Kashmir	-	59	-	-	-	59
8	Karnataka	-	-	-	500	-	500
9	Maharashtra	-	25	-	22	-	47
10	Mizoram	-	5	-	-	-	5
11	Odisha	-	300	-	250	-	550
12	Uttar Pradesh	-	-	-	10	-	10
13	Tripura	-	-	-	-	250	250
	Grand Total	**0.00**	**976**	**1092**	**1052**	**250**	**3370**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.41: Construction of landing canters Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	Andhra Pradesh	-	50	-	-	-	50
2	Chhattisgarh	-	-	-	10	20	30
3	Goa	-	3	2	1	-	6
4	Himachal Pradesh	-	-	-	-	-	0
5	Jammu & Kashmir	-	5	-	-	-	5
6	Jharkhand	-	-	-	10	-	10
7	Mizoram	-	5	3	-	-	8
8	Odisha	-	1	-	30	-	31
9	Telangana	-	4	-	-	-	4
	Grand Total	**0.00**	**68**	**5**	**51**	**20**	**144**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.42: Integrated Development of Reservoirs Physical & Financial status under Fisheries Sector for FY 2015-16 to 2019-20 (Rs in Lakhs)

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total of (2015-19)
1	Himachal Pradesh	-	11	-	-	-	11
2	Karnataka	-	1	-	1	-	2
3	Madhya Pradesh	-	16	-	-	-	16
	Grand Total	**0.00**	**28**	**0.00**	**1**	**-**	**29**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.43: Establishing fish feed mills(1-5q/d) Physical & Financial status under Fisheries Sector for FY 2015-16 to 2019-20 (Rs in Lakhs)

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
	Arunachal Pradesh	-	-	-	1	-	1
1	Andhra Pradesh	-	10	-	-	-	10
2	Assam	-	12	-	2	-	14
3	Bihar	-	5	-	-	-	5
4	Chhattisgarh	-	5	-	-	-	5
5	Gujarat	-	5	-	-	-	5
6	Himachal Pradesh	-	-	-	15	-	15
7	Jharkhand	-	1	-	1	-	2
8	Madhya Pradesh	-	5	5	10	-	20
9	Maharashtra	-	10	-	32	-	42
10	Meghalaya	-	-	-	10	-	10
11	Mizoram	-	2	-	-	5	7
12	Telangana	-	4	-	-	-	4
13	Uttar Pradesh	-	1	9	2	42	54
14	Uttarakhand	-	-	-	2	1	3
15	West Bengal	-	2	-	-	-	2
	Grand Total	**0.00**	**62**	**14**	**75**	**48**	**199**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.44: Establishing fish feed mills(6-10t/hr) Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Andhra Pradesh	-	3	-	-	-	3
2	Bihar	-	1	-	-	-	1
3	Chhattisgarh	-	1	-	-	3	4
4	Gujarat	-	1	1	-	-	2
5	Jharkhand	-	2	-	-	-	2
6	Karnataka	-	-	-	4	-	4
7	Madhya Pradesh	-	-	-	-	4	4
8	Punjab	-	6	-	-	-	6
9	Telangana	-	-	-	2	-	2
10	Uttar Pradesh	-	1	-	-	-	1
11	Uttarakhand	-	-	1	-	-	1
	Grand Total	**0.00**	**15**	**2**	**6**	**7**	**30**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.45: Installation of cages/pens in reservoirs Physical units sanctioned under Blue Revolution Schme during 2014-15 2019-20

S.No.	Name of the States	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	Total
1	Andhra Pradesh	-	288	72	67	-	-	427
2	Assam	625	-	-	-	8	-	633
3	Bihar	147	-	84	-	550	-	781
4	Chhattisgarh	-	-	-	117	48	960	1125
5	Daman & Diu	-	-	-	25	-	-	25
6	Delhi	-	-	-	48	-	-	48
7	Goa	-	-	-	12	-	-	12
8	Hariyana	-	-	-	-	-	-	0
	Himachal Pradesh	-	-	-	-	24	-	24
9	Jharkhand	-	-	2815	-	-	-	2815
	Jammu & Kashmir	-	-	-	-	72	-	72
10	Karnataka	-	-	96	-	24	-	120
11	Kerala	-	-	200	-	-	-	200
12	Madhya Pradesh	-	-	310	250	120	66	746
13	Maharashtra	-	-	60	-	5380	-	5440
14	Manipur	-	-	-	24	48	-	72
15	Meghalaya	-	-	-	20	-	-	20
16	Mizoram	-	-	50	66	-	-	116
17	Odisha	-	-	-	24	-	-	24
18	Rajsthan	-	-	170	-	-	-	170
	Tamil nadu	40	-	-	-	-	-	40
19	Telangana	16	-	800	-	300	-	1116
20	Tripura	-	-	40	64	-	64	168
21	Uttar Pradesh	-	-	-	260	-	260	520
22	Uttarakhand	-	-	48	48	-	-	96
	Grand Total	**828**	**288**	**4745**	**1025**	**6574**	**1350**	**14810**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying

- : NA

Table 14.46: Re-circulatory Aquaculture Systems Physical units sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	2018-19	Total
1	Andhra Pradesh	-	-	5	-	-	5
2	Assam	-	-	4	10	-	14
3	Bihar	-	-	1	-	-	1
4	Chhattisgarh	-	-	7	-	1	8
5	Delhi	-	-	2	-	-	2
6	Haryana	-	-	16	15.00	-	31
7	Himachal Pradesh	-	-	-	1	-	1
8	Jammu & Kashmir	-	-	1	-	-	1
9	Jharkhand	-	-	8	-	-	8
10	Karnataka	-	-	-	-	1	1
11	Kerala	-	-	100	125	-	225
12	Madhya Pradesh	-	-	10	10	-	20
13	Manipur	-	-	1	2	-	3
14	Meghalaya	-	-	1	-	-	1
15	Mizoram	-	-	1	-	2	3
16	Odisha	-	-	4	2	-	6
17	Punjab	-	-	6	-	-	6
18	Rajasthan	-	-	-	1	2	3
19	Sikkim	-	-	-	2	14	16
20	Telangana	-	1	2	10	-	13
21	Uttar Pradesh	-	-	27	18	107	152
22	Uttarakhand	-	-	-	2	-	2
23	West Bengal	-	-	2	-	-	2
	Grand Total	**0.00**	**1**	**198**	**198**	**127**	**524**

*During 2014-15& 2015-16 RAS has not been introduced.

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

Table 14.47: Stocking of fish fingerlings in beels (ha) sanctioned under Blue Revolution Scheme during 2015-16 to 2019-20

S. No	Name of the States	2015-16	2016-17	2017-18	2018-19	Total of (2015-19)
1	Arunachal Pradesh	-	-	-	100	100
2	Bihar	-	1000	-	-	1000
3	Chhattisgarh	33.22	-	-	-	33.22
4	Jharkhand	21.56	-	-	-	21.56
5	Karnataka	66.5	-	-	-	66.5
6	Madhya Pradesh	38.12	-	-	-	38.12
7	Odisha	129.4	-	-	-	129.4
8	Telangana	121.32	-	-	-	121.32
9	Tripura	-	1125	-	-	1125
	Grand Total	**410.12**	**2125**	**0.00**	**100**	**2635.12**

Source: Department of Fisheries, M/o Fisheries, Animal Husbandry & Dairying
- : NA

2. Beneficiary oriented activities under CSS of PMMSY

Table: 14.48 Establishment of New Freshwater Finfish Hatcheries (In Rs. Lakh)

S.No	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	25	10	2	50	20	3	75	35	6	150	95
2	Andhra Pradesh	2	50	15	-	-	-	3	75	21	5	125	36
3	Arunachal Pradesh	-	-	-	3	75	40.5	-	-	-	3	75	75
4	Assam	10	250	112.5	16	400	193.5	50	1250	612	76	1900	1124.5
5	Bihar	12	300	84	7	175	54	-	-	-	19	475	259
6	Chhattisgarh	4	100	24	6	150	42	7	175	57	17	425	231
7	Gujarat	-	-	-	1	25	6	-	-	-	1	25	25
8	Haryana	1	25	9	2	50	12	3	75	27	6	150	86
9	Himachal Pradesh	3	75	36	2	50	27	1	25	13.5	6	150	99.5
10	Jharkhand	25	625	198	8	200	69	8	200	69	41	1025	467
11	Karnataka	6	150	45	4	100	33	1	25	9	11	275	154
12	Kerala	-	-	-	-	-	-	3	75	18	3	75	18
13	Madhya Pradesh	7	175	54	10	250	72	10	250	78	27	675	382
14	Maharashtra	15	375	126	12	300	102	-	-	-	27	675	426
15	Manipur	8	120	54	4	100	49.5	4	100	45	16	320	199
16	Meghalaya	-	-	-	6	150	81	-	-	-	6	150	150
17	Mizoram	6	150	81	6	150	81	2	50	27	14	350	258
18	Nagaland	3	75	40.5	2	50	27	3	75	40.5	8	200	131
19	Odisha	20	500	153	7	175	54	20	500	150	47	1175	478
20	Punjab	-	-	-	2	50	12	-	-	-	2	50	50
21	Rajasthan	1	25	9	-	-	-	-	-	-	1	25	9
22	Sikkim	-	-	-	2	50	27	2	50	27	4	100	77
23	Tamil Nadu	2	50	15	8	200	57	-	-	-	10	250	215
24	Telangana	6	150	48	15	375	120	-	-	-	21	525	423
25	Tripura	6	150	72	7	175	90	13	325	166.5	26	650	413.5
26	Uttar Pradesh	27	675	204	15	375	114	20	500	141	62	1550	720
27	West Bengal	-	-	-	-	-	-	164	4095	1252.5	164	4095	1252.5
	Total	**165**	**4045**	**1390**	**147**	**3675**	**1383.5**	**317**	**7920**	**2789**	**629**	**15640**	**7854**

Source: PMMSY Unit, DoF
- : NA

-

Table 14.49: Establishment of New Freshwater Scampi Hatcheries (In Rs. Lakh)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Bihar	-	-	-	1	50	12	-	-	--	1	50	12
2	Odisha	-	-	-	-	-	-	2	100	30	2	100	30
3	Tripura	1	50	27	-	-	-	-	-	-	1	50	27
	Total	**1**	**50**	**27**	**1**	**50**	**12**	**2**	**100**	**30**	**4**	**200**	**69**

Source: PMMSY Unit, DoF
- : NA

Table 14.50: Approved area of New Grow-out ponds (In Rs. Lakh)

S.No.	Name of the States	2020-21			2021-22		
		Physical (Ha.)	Proj. Cost (in Rs. Lakhs)	GoI Share	Physical (No.)	Proj. Cost (in Rs. Lakhs)	GoI Share
1	Andaman and Nicobar	4	28	12.6	10	70	35
2	Arunachal Pradesh	108	907.2	489.89	-	-	-
3	Assam	205	1722	813.46	100	840	399.17
4	Bihar	300	2100	448.56	100	700	203.28
5	Chhattisgarh	650	4550	1218	200	1400	336
6	Daman & Diu	1	7	4.2	-	-	-
7	Gujarat	0	0	0	10	70	18.48
8	Haryana	150	1050	294	65	455	121.8
9	Jharkhand	96	672	211.68	50	350	121.8
10	Karnataka	400	2800	890.4	500	3500	1092
11	Madhya Pradesh	689	4823	1430.52	700	4900	1473.36
12	Maharashtra	75	525	171.36	100	700	235.2
13	Manipur	120	1008	483.84	0	0	0
14	Meghalaya	90	756	408.24	0	0	0
15	Mizoram	157	1318.8	712.15	0	0	0
16	Nagaland	120	1008	234.32	50	350	189
17	Odisha	300	2100	630	150	1050	327.6
18	Puducherry	30	210	114.8	5	35	16.8
19	Punjab	120	840	201.6	100	700	178.08
20	Rajasthan	20	140	43.68	10	70	21.84
21	Tamil Nadu	100	700	193.2	85	595	171.36
22	Telangana	200	1400	420	200	1400	403.2
23	Tripura	145	1218	579.1	100	840	391.61
24	Uttar Pradesh	1022.85	7159.97	1993.97	250	1750	488.84
25	Uttarakhand	0	0	0	31.55	220.85	90.22
Total		5102.85	37042.97	11999.57	2816.55	19995.85	6314.64

Source: PMMSY Unit, DoF
- : NA

Table 14.51: Approved area of New Rearing ponds (In Rs. Lakh)

		2020-21			2021-22		
S.No.	Name of the States	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	2	14	6.3	1	7	2.8
2	Assam	100	700	324.45	100	700	342.72
3	Bihar	350	2450	718.2	-	-	-
4	Chhattisgarh	75	525	168	100	700	226.8
5	Daman & Diu	1	7	4.2	-	-	-
6	Gujarat	-	-	-	10	70	18.48
7	Haryana	25	175	50.4	112	784	231.84
8	Himachal Pradesh	5	35	16.38	-	-	-
9	Jharkhand	190	1330	428.4	200	1400	433.44
10	Karnataka	60	420	126	25	175	54.6
11	Madhya Pradesh	60.5	423.5	123.9	60	420	126
12	Maharashtra	37	259	83.16	8	56	19.32
13	Manipur	25	175	81.9	-	-	-
14	Meghalaya	22.2	155.4	83.92	-	-	-
15	Mizoram	46	322	173.88	-	-	-
16	Nagaland	55	385	207.9	50	350	189
17	Odisha	100	700	210	200	1400	420
18	Punjab	-	-	-	3	21	5.04
19	Tamil Nadu	10	70	19.32	40	280	80.64
20	Uttar Pradesh	196	1372	383.88	7	49	14.28
Total		1359.7	9517.9	3210.19	916	6412	2164.96

Source: PMMSY Unit, DoF
- : NA

Table 14.52: Approved new Biofloc units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	-	-	-	5	37.5	20.25
1	Assam	7	175	85.5	176	1800	879.75
2	Bihar	105	2587.5	774.9	-	-	-
3	Delhi	-	-	-	1	25	10
3	Chhattisgarh	10	75	18	-	-	-
4	Goa	-	-	-	1	50	12
5	Gujarat	6	150	36	16	250	68
6	Haryana	45	725	208.8	22	165	48.6
7	Himachal Pradesh	15	165	73.35	-	-	-
8	Jammu and Kashmir	12	90	39	50	375	165
9	Jharkhand	134	1743.2	557.1	151	1778	582

Source: PMMSY Unit, DoF
- : NA

S.N0.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
10	Manipur	20	150	71.55	15	112.5	47.25
11	Kerala	400	3000	900	400	3000	900
12	Madhya Pradesh	141	1057.5	340.2	143	1825	576
13	Punjab	50	435	104.4	48	420	112.5
14	Rajasthan	2	75	18	-	-	-
15	Tamil Nadu	10	75	20.7	100	750	216
16	Tripura	50	107	53.93	114	855	413.1
17	Uttarakhand	26	455	207.9	35	720	343.8
Total		1033	11065.2	3509.33	1277	12162.5	4393.25

Source: PMMSY Unit, DoF

- : NA

Table 14.53: Approved new RAS Units (In Rs. Lakhs)

		2020-21			2021-22		
S.No.	**Name of the States**	**Physical (No.)**	**Proj. Cost**	**GoI Share**	**Physical (No.)**	**Proj. Cost**	**GoI Share**
1	Andaman and Nicobar	4	30	13.5	3	22.5	10.5
2	Andhra Pradesh	4	200	60	0	0	0
3	Assam	53	997.5	483.3	19	575	279
4	Bihar	45	762.5	227.4	0	0	0
5	Chhattisgarh	1	50	18	167	1337.5	436.5
6	Delhi	7	172.5	97	1	50	30
7	Goa	2	28	945.72	9	120	33.6
8	Gujarat	6	150	36	20	325	85.8
9	Haryana	70	1252.5	414.24	35	405	118.44
10	Jharkhand	55	1505.5	476.58	15	338	108.78
11	Karnataka	160	1514	443.94	303	4760	1486.92
12	Kerala	319	2392.5	720	100	750	225
13	Madhya Pradesh	29	1450	486	182	1957.5	639
14	Maharashtra	376	1387	451.62	240	4127	1428.84
15	Meghalaya	3	8.5	4.59	1	25	13.5
16	Nagaland	0	0	0	5	37.5	20.25
17	Odisha	62	1325	277.5	35	650	198
18	Punjab	12	480	226.4	10	195	55.8
19	Rajasthan	3	107.5	32.7	0	0	0
20	Tamil Nadu	20	150	41.4	0	0	0
21	Telangana	0	0	0	10	250	78
22	Tripura	0	0	0	10	75	39.15
23	Uttar Pradesh	322	11213.5	3539.76	174	4210	1273.5
24	Uttarakhand	0	0	0	22	447.5	212.4
Total		1553	25176.5	8995.65	1361	20657.5	6772.98

Source: PMMSY Unit, DoF

Table 14.54: Approved units of Installation of cages in Reservoir (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	200	600	172.8	100	300	81.36
2	Assam	150	450	232.2	0	0	0
3	Bihar	200	600	174.24	200	600	174.24
4	Chhattisgarh	1000	3000	1080	1000	3000	936
5	Goa	0	0	0	25	75	21.6
6	Gujarat	0	0	0	3000	9000	3060
7	Jharkhand	365	1095	312.84	1913	5739	2009.52
8	Karnataka	100	300	95.04	100	300	91.8
9	Kerala	0	0	0	500	1500	450
10	Madhya Pradesh	223	669	216.36	368	1104	356.4
11	Maharashtra	1160	3480	1108.8	1384	4152	1418.4
12	Manipur	100	300	162	100	300	162
13	Odisha	500	1500	450	1800	5400	1620
14	Rajasthan	144	432	136.08	72	216	51.84
15	Telangana	150	450	108	600	1800	432
16	Uttarakhand	0	0	0	100	300	108
Total		4292	12876	4248.36	11262	33786	10973.16

Source: PMMSY Unit, DoF

Table 14.55: Approved area under Pen culture in open water bodies (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (Ha.)	Proj. Cost	GoI Share	Physical (Ha.)	Proj. Cost	GoI Share
1	Assam	60	180	86.4	60	180	88.02
2	Karnataka	5.2	15.6	4.46	12	36	10.44
3	Madhya Pradesh	0	0	0	36	108	25.92
4	Uttar Pradesh	7.5	22.5	5.616	18	54	12.96
Total		72.7	218.1	96.476	126	378	137.34

Source: PMMSY Unit, DoF

Table 14.56: Approved units of New Freshwater Finfish Hatcheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	25	10	2	50	20
2	Andhra Pradesh	2	50	15	-	-	-
3	Arunachal Pradesh	-	-	-	3	75	40.5
4	Assam	10	250	112.5	16	400	193.5
5	Bihar	12	300	84	7	175	54
6	Chhattisgarh	4	100	24	6	150	42
7	Gujarat	-	-	-	1	25	6
8	Haryana	1	25	9	2	50	12
9	Himachal Pradesh	3	75	36	-	-	-

Source: PMMSY Unit, DoF
- : NA

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
10	Jharkhand	25	625	198	8	200	69
11	Karnataka	6	150	45	4	100	33
12	Madhya Pradesh	7	175	54	10	250	72
13	Maharashtra	16	400	122	12	300	102
14	Manipur	8	120	54	4	100	49.5
15	Meghalaya	-	-	-	6	150	81
16	Mizoram	6	150	81	6	150	81
17	Nagaland	3	75	40.5	2	50	27
18	Odisha	20	500	153	7	175	54
19	Punjab	-	-	-	2	50	12
20	Rajasthan	1	25	9	-	-	-
21	Sikkim	-	-	-	2	50	27
22	Tamil Nadu	2	50	15	8	200	57
23	Telangana	6	150	48	15	375	120
24	Tripura	6	150	72	7	175	90
25	Uttar Pradesh	27	675	204	15	375	114
Total		**166**	**4070**	**1386**	**145**	**3625**	**1356.5**

Source: PMMSY Unit, DoF

- : NA

Table 14.57: Approved new ponds for saline-alkaline areas (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Haryana	150	1200	350.4	400	3200	936
2	Karnataka	-	-	-	65	520	157.44
3	Maharashtra	15	120	31.68	4	32	9.6
4	Punjab	150	1000	216	123	984	241.92
5	Rajasthan	20	40	12.48	30	240	74.88
6	Uttar Pradesh	58	464	123.84	10	80	24
Total		393	2824	734.4	632	5056	1443.84

Source: PMMSY Unit, DoF

- : NA

Table 14.58: Approved units of new Brood banks (In Rs. Lakhs)

S.No.	Name of the States	2020-21		
		Physical (No.)	Proj. Cost (Rs. In lakhs)	GoI Share
1	Andhra Pradesh	1	500	300
2	Bihar	1	500	300
3	Daman & Diu*	1	120	120
4	Kerala	1	500	300
5	Maharashtra	1	500	300
6	Mizoram	1	415.6	374.04
7	Nagaland	1	500	450
8	Tamil Nadu	2	1000	600
Total		9	4035.6	2744.04

Source: PMMSY Unit, DoF

Table 14.59: Approved units for acquisition of Deep sea fishing vessels for traditional fishermen (In Rs. lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	120	48	4	480	216
2	Andhra Pradesh	20	2400	604.8	30	3600	921.6
3	Goa	20	2400	720	-	-	-
4	Gujarat	50	6000	1670.4	50	6000	1444
5	Karnataka	4	480	144	10	1200	374.4
6	Kerala	10	1200	288	-	-	-
7	Lakshadweep	10	1200	720	-	-	-
8	Maharashtra	0	0	0	7	840	288
9	Odisha	5	600	172.8	-	-	-
10	Puducherry	2	240	144	-	-	-
11	Tamil Nadu	-	-	-	50	6000	1728
Total		122	14640	4512	151	18120	4972

Source: PMMSY Unit, DoF

- : NA

Table 14.60: Approved Up gradation of existing fishing vessels for export Competency (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	10	150	66	-	-	-
2	Gujarat	0	0	0	200	3000	720
3	Goa	15	225	63	-	-	-
4	Karnataka	15	225	66.6	-	-	-
5	Kerala	100	1500	360	-	-	-
6	Lakshadweep	70	344.63	206.78	-	-	-
7	Maharashtra	7	105	30.6	10	150	39.6
8	Odisha	50	750	225	50	750	225
Total		267	3299.63	1017.98	260	3900	984.6

Source: PMMSY Unit, DoF

- : NA

Table 14.61: Approved establishment of Bio-toilet units in mechanised fishing vessels (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	5	2.5	1	3	1.5	0.7
2	Andhra Pradesh	300	150	36.6	1000	500	123
3	Gujarat	0	0	0	350	175	42
4	Goa	100	50	15	-	-	-
5	Karnataka	100	50	14.64	-	-	-
6	Maharashtra	2000	1000	276	-	-	-
7	Odisha	10	5	1.5	-	-	-
8	Puducherry	240	120	50.5	-	-	-
9	Tamil Nadu	-	-	-	100	50	12
Total		2755	1377.5	395.24	1453	726.5	177.7

Source: PMMSY Unit, DoF

- : NA

Table- 14.62: Approved units of installation of new sea cages (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	6	30	15	-	-	-
2	Andhra Pradesh	500	2500	678	300	1500	406.8
3	Gujarat	0	0	0	500	2500	600
4	Maharashtra	100	500	165	90	450	162
5	Tamil Nadu	10	50	13.8	50	250	64.8
Total		616	3080	871.8	940	4700	1233.6

Source: PMMSY Unit, DoF
- : NA

Table- 14.63 : Approved units for establishment of small Marine Finfish hatchery (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	50	20	-	-	-
2	Karnataka	1	50	12	2	100	30
Total		2	100	32	2	100	30

Source: PMMSY Unit, DoF
- : NA

Table- 14.64: Approved area under new ponds for brackish water aquaculture (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	10	80	38.4	14	112	52.8
2	Goa	2	16	3.84	-	-	-
3	Gujarat	0	0	0	200	1600	384
4	Karnataka	14	112	34.56	25	200	62.4
5	Kerala	-	-	-	60	480	144
5	Maharashtra	40	320	99.84	3	24	5.76
6	Odisha	400	3200	960	400	3200	960
7	Puducherry	5	40	22.4	-	-	-
8	Tamil Nadu	-	-	-	100	800	205.44
Total		471	3768	1159.04	802	6416	1814.4

Source: PMMSY Unit, DoF
- : NA

Table- 14.65: Establishment of need based New Brackish Hatcheries (shell & fin fish) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	4	200	60	-	-	-
2	Karnataka	-	-	-	1	50	18
3	Odisha	2	100	30	2	100	30
Total		6	300	90	3	150	48

Source: PMMSY Unit, DoF
- : NA

Table- 14.66: Approved units of boats (replacement) and nets for traditional fishermen (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	450	2250	570	741	3705	889.2
2	Assam	61	305	144	-	-	-
3	Chhattisgarh	20	100	24	-	-	-
4	Goa	20	100	27	6	30	10.8
5	Himachal Pradesh	500	1000	450	-	-	-
6	Jammu and Kashmir	25	125	50	-	-	-
7	Jharkhand	20	100	31.2	-	-	-
8	Karnataka	100	500	147	43	215	57
9	Kerala	-	-	-	100	500	120
10	Lakshadweep	100	500	300	-	-	-
11	Maharashtra	14	70	21	71	355	98.4
12	Odisha	200	1000	300	100	500	150
13	Puducherry	130	650	285	-	-	-
14	Tamil Nadu	200	1000	240	300	1500	390
15	Tripura	16	80	43.2	13	65	35.1
Total		1856	7780	2632.4	1374	6870	1750.5

Source: PMMSY Unit, DoF

- : NA

Table- 14.67: Approved livelihood and nutritional support for socio-economically backward active traditional fishers' families for conservation of fisheries resources during fishing ban/lean period (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	0	0	0	1000	45	30
2	Andhra Pradesh	0	0	0	98360	4426.2	1475.4
3	Assam	20000	900	480	21000	945	504
4	Bihar	0	0	0	50000	2250	750
5	Chhattisgarh	8000	360	120	8000	360	120
6	Gujarat	0	0	0	30000	1350	450
7	Himachal Pradesh	3557	160.07	85.37	3557	160.065	85.368
8	Jammu and Kashmir	17396	782.82	521.88	16286	732.87	488.58
9	Karnataka	24003	1080.135	360.05	20414	918.63	306.21
10	Kerala	0	0	0	179316	7654.2	2551.4
11	Lakshadweep	0	0	0	2500	112.5	75
12	Madhya Pradesh	10385	467.325	155.775	11237	505.67	168.56
13	Mizoram	6283	282.735	150.79	6283	282.735	150.792
14	Odisha	12000	540	180	20000	900	299.97
15	Puducherry	28767	1294.52	863.01	28767	1295	863
16	Rajasthan	103	3.09	1.11	2200	99	33
17	Sikkim	0	0	0	200	9	4.8
18	Tamil Nadu	0	0	0	170000	7650	2550
19	Telangana	2000	90	30	4000	180	60
20	Tripura	2239	67.17	53.74	4142	186.39	99.408
21	Uttarakhand	0	0	0	200	9	4.8
Total		134733	6027.865	3001.725	677462	30070.78	11070.3

Source: PMMSY Unit, DoF

Table- 14.68: Approved units for extension and support services (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	0	0	0	1	25	10
2	Assam	0	0	0	1	25	13.5
3	Bihar	10	250	72	0	0	0
4	Jharkhand	1	25	9	2	50	12
5	Karnataka	0	0	0	7	175	51
6	Kerala	0	0	0	10	250	60
7	Maharashtra	20	500	129	8	200	66
8	Uttarakhand	0	0	0	2	50	18
Total		31	775	210	31	775	230.5

Source: PMMSY Unit, DoF

Table- 14.69 : Approved units for construction of cold storages and Ice plants (In Rs. Lakhs)

S.No.	Name of the states	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	3	160	72	5	240	104
2	Assam	0	0	0	9	360	180
3	Bihar	12	525	105.12	0	0	0
4	Chhattisgarh	2	80	19.2	0	0	0
5	Daman & Diu	1	150	60	0	0	0
6	Goa	3	200	48	0	0	0
7	Gujarat	0	0	0	26	2430	619
8	Haryana	0	0	0	2	80	24
9	Himachal Pradesh	9	690	324	0	0	0
10	Jharkhand	8	320	96	7	320	105.6
11	Karnataka	15	1440	429.6	29	2820	820
12	Kerala	2	80	48	0	0	0
13	Lakshadweep	2	80	48	4	240	144
14	Madhya Pradesh	8	320	96	11	560	182.4
15	Maharashtra	7	710	208.8	37	3800	1201
16	Manipur	0	0	0	5	200	93.6
17	Meghalaya	4	80	43.2	2	80	43.2
18	Mizoram	2	80	43.2	0	0	0
19	Odisha	3	450	126	2	300	90
20	Puducherry	2	80	48	0	0	0
21	Punjab	-	-	-	1	40	9.6
22	Rajasthan	1	69	16.56	0	0	0
23	Tamil Nadu	0	0	0	14	1790	558
24	Tripura	0	0	0	1	40	21.6
25	Uttar Pradesh	1	150	54	0	0	0
26	Uttarakhand	0	0	0	1	40	14.4
Total		85	5664	1885.68	156	13340	4210.4

Source: PMMSY Unit, DoF

- : NA

Table- 14.70: Approved Fish Feed Mill Units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	30	12	2	60	30
2	Assam	15	450	216	34	1020	486
3	Bihar	23	1720	486	12	3300	990
4	Chhattisgarh	0	0	0	3	400	144
5	Gujarat	0	0	0	1	30	7.2
6	Haryana	4	460	138	4	360	102
7	Himachal Pradesh	8	410	169.2	-	-	-
8	Jharkhand	15	450	136.8	11	400	133.2
9	Madhya Pradesh	27	1050	342	25	990	331.2
10	Maharashtra	15	450	140.4	46	2200	748.8
11	Manipur	-	-	-	4	120	54
12	Meghalaya	1	30	16.2	1	30	16.2
13	Odisha	10	150	45	6	600	180
14	Punjab	7	210	50.4	2	60	14.4
15	Telangana	2	60	18	2	60	18
16	Tripura	8	240	118.8	5	150	70.2
17	Uttar Pradesh	85	4550	1512	-	-	-
Total		221	10260	3400.8	158	9780	3325.2

Source: PMMSY Unit, DoF

- : NA

Table- 14.71: Approved Refrigerated truck units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	25	10	1	25	10
2	Assam	10	250	117	0	0	0
3	Bihar	10	250	72	0	0	0
4	Chhattisgarh	2	50	12	2	50	12
5	Delhi	1	25	15	0	0	0
6	Gujarat	0	0	0	20	500	168
7	Goa	4	100	30	0	0	0
8	Haryana	1	25	9	2	50	15
9	Himachal Pradesh	1	25	9	0	0	0
10	Jharkhand	0	0	0	7	175	57
11	Karnataka	6	150	45	6	150	45
12	Madhya Pradesh	0	0	0	3	75	27
13	Maharashtra	8	200	60	28	700	228
14	Nagaland	2	50	27	0	0	0
15	Odisha	10	250	75	0	0	0
16	Puducherry	2	50	30	0	0	0
17	Punjab	2	50	12	2	50	12
18	Rajasthan	3	75	24	0	0	0
19	Tamil Nadu	0	0	0	6	150	54
Total		63	1575	547	77	1925	628

Source: PMMSY Unit, DoF

Table- 14.72 : Approved Insulated Truck units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	2	30	15	2	40	20
2	Andhra Pradesh	50	1000	278.4	150	3000	873.6
3	Assam	5	100	46.8	-	-	-
4	Bihar	5	100	28.8	-	-	-
5	Gujarat	0	0	0	24	480	115.2
6	Goa	10	200	60	4	80	24
7	Himachal Pradesh	7	140	61.2	-	-	-
8	Jharkhand	0	0	0	10	200	62.4
9	Karnataka	10	200	55.2	45	900	266.4
10	Madhya Pradesh	7	140	36	11	220	62.4
11	Maharashtra	10	200	40.8	37	740	223.2
12	Manipur	-	-	-	5	100	46.8
13	Meghalaya	4	160	108	3	60	32.4
14	Odisha	35	700	208.8	50	1000	300
15	Puducherry	4	80	48	-	-	-
16	Punjab	5	100	24	1	20	4.8
17	Rajasthan	3	60	19.2	-	-	-
18	Tamil Nadu	20	400	96	62	1240	386.4
19	Telangana	10	200	57.6	10	200	57.6
20	Uttar Pradesh	16	320	103.2	30	600	182.4
Total		203	4130	1287	444	8880	2657.6

Source: PMMSY Unit, DoF

- : NA

Table- 14.73 : Approved Motorcycle with ice box units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	33	24.75	12	10	7.5	3.6
2	Andhra Pradesh	500	375	108	300	225	64.8
3	Assam	100	75	36.045	100	75	35.51
4	Bihar	300	225	65.34	100	75	21.78
5	Chhattisgarh	300	225	54	50	37.5	9
6	Daman & Diu	10	7.5	4.5	-	-	-
7	Delhi	3	2.25	1.2	-	-	-
8	Goa	10	7.5	2.25	10	7.5	2.25
9	Gujarat	0	0	0	250	187.5	58.5
10	Haryana	40	30	8.28	10	7.5	2.25
11	Himachal Pradesh	100	75	35.1	-	-	-
12	Jammu and Kashmir	0	0	0	30	22.5	10.5
13	Jharkhand	100	75	23.4	100	75	24.03
14	Karnataka	100	75	20.88	159	119.25	36.72
15	Madhya Pradesh	729	546.75	160.2	500	375	116.01
16	Maharashtra	0	0	0	90	67.5	19.98
17	Ladakh	20	15	9			
18	Meghalaya	20	15	8.1	3	2.25	1.22
19	Nagaland	2	1.5	0.81	-	-	-
20	Odisha	100	75	22.5	100	75	22.77
21	Puducherry	20	15	8.25	-	-	-
22	Punjab	80	60	14.4	50	37.5	9.36
23	Sikkim	-	-	-	10	7.5	4.05
23	Tamil Nadu	500	375	94.5	225	168.75	46.62
24	Tripura	50	37.5	17.01	24	18	9.18
25	Uttar Pradesh	50	37.5	10.53	100	75	20.34
26	Uttarakhand	32	24	10.4	10	7.5	3.65
Total		3199	2399.25	726.695	2231	1673.25	522.12

Source: PMMSY Unit, DoF

- : NA

Table- 14.74: Approved Cycle with ice box units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	500	50	23.94	437	43.7	20.74
2	Bihar	500	50	14.52	500	50	14.52
3	Delhi	5	0.5	0.28	-	-	-
4	Haryana	100	10	2.76	110	11	3.36
5	Jharkhand	253	25.3	7.68	119	11.9	3.76
6	Karnataka	100	10	2.74	34	3.4	1.12
7	Madhya Pradesh	190	19	5.22	114	11.4	3.59
8	Punjab	20	2	0.48	79	7.9	1.9
9	Tripura	200	20	9.36	43	4.3	2.11
10	Uttar Pradesh	421	42.1	13.452	57	5.7	1.51
Total		2289	228.9	80.432	1493	149.3	52.61

Source: PMMSY Unit, DoF

- : NA

Table- 14.75 : Approved Three wheeler with ice box units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	10	30	15	10	30	15
2	Andhra Pradesh	250	750	216	150	450	129.6
3	Assam	135	270	128.16	50	150	69.12
4	Bihar	100	300	87.12	50	150	43.56
5	Chhattisgarh	10	30	7.2	10	30	7.2
6	Daman & Diu	5	15	9	-	-	-
7	Delhi	2	6	3	-	-	-
8	Goa	10	30	9	10	30	9
9	Gujarat	0	0	0	3	9	2.16
10	Haryana	10	30	8.28	10	30	9
11	Himachal Pradesh	10	30	14.04	-	-	-
12	Jammu and Kashmir	0	0	0	25	75	33
13	Jharkhand	233	699	223.92	100	300	96.12
14	Karnataka	25	75	21.6	60	180	55.08
15	Lakshadweep	14	42	25.2	-	-	-
16	Madhya Pradesh	64	192	56.52	101	303	92.52
17	Maharashtra	122	360	111.6	34	102	33.12
18	Meghalaya	10	30	16.2	10	30	16.2
19	Odisha	50	150	45	70	210	63
20	Punjab	25	75	18	5	15	3.96

Source: PMMSY Unit, DoF

- : NA

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
21	Rajasthan	3	9	2.88	0	0	0
22	Tamil Nadu	15	45	12.6	40	120	31.32
23	Tripura	25	75	35.1	20	60	30.24
24	Telangana	125	375	117	75	225	70.2
25	Uttar Pradesh	0	0	0	40	120	31.32
26	Uttarakhand	1	3	1.62	1	3	1.08
Total		1254	3621	1184.04	874	2622	842

Source: PMMSY Unit, DoF

Table- 14.76: Approved Fish retail markets (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	25	2500	720	125	9500	2568
2	Goa	4	400	96	0	0	0
3	Karnataka	0	0	0	1	100	36
4	Madhya Pradesh	1	100	24	0	0	0
5	Maharashtra	8	800	264	0	0	0
6	Odisha	7	700	216	5	500	156
7	Punjab	0	0	0	2	200	48
Total		45	4500	1320	133	10300	2808

Source: PMMSY Unit, DoF

Table- 14.77 : Approved Fish Kiosks including kiosks of aquarium/ornamental fish (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	9	90	42	13	130	64
2	Andhra Pradesh	250	2500	720	1865	7388.75	2117.73
3	Assam	22	220	104.4	22	220	113.4
4	Bihar	20	200	57.6	30	300	90
5	Goa	8	80	24	-	-	-
6	Haryana	5	50	14.4	22	220	67.2
7	Himachal Pradesh	9	90	43.2	-	-	-
8	Jharkhand	6	60	18	1	10	3.6
9	Karnataka	25	250	75.6	35	350	104.4
10	Madhya Pradesh	51	510	154.8	72	720	213.6
11	Maharashtra	14	140	45.6	32	320	105.6
12	Meghalaya	17	170	91.8	20	200	108
13	Mizoram	4	40	21.6	-	-	-
14	Odisha	20	200	60	12	120	36
15	Puducherry	7	70	38	-	-	-
16	Punjab	-	-	-	25	250	60
17	Tamil Nadu	20	200	48	30	300	96
18	Telangana	40	400	132	145	1450	444
19	Tripura	8	80	41.4	-	-	-
20	Uttar Pradesh	27	270	80.4	14	140	40.8
21	Uttarakhand	19	190	77.4	-	-	-
Total		581	5810	1890.2	2338	12118.75	3664.33

Source: PMMSY Unit, DoF

- : NA

Table- 14.78 : Approved value added enterprise units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	50	20	4	200	100
2	Andhra Pradesh	25	1250	360	0	0	0
3	Daman & Diu	3	150	70	-	-	-
4	Goa	1	50	12	0	0	0
5	Karnataka	0	0	0	2	100	30
6	Lakshadweep	5	250	150	4	200	120
7	Maharashtra	7	350	108	7	350	126
8	Meghalaya	2	100	54	0	0	0
9	Puducherry	2	100	60	0	0	0
Total		46	2300	834	17	850	376

Source: PMMSY Unit, DoF

- : NA

Table- 14.79: Approved Units under Establishment of Disease diagnostic and quality testing labs (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	2	50	15	0	0	0
2	Assam	-	-	-	1	25	9
3	Delhi	1	25	15	0	0	0
4	Madhya Pradesh	0	0	0	2	50	12
5	Maharashtra	2	50	12	1	25	6
6	Odisha	4	100	30	0	0	0
Total		9	225	72	4	100	27

Source: PMMSY Unit, DoF

- : NA

Table- 14.80: Disease diagnostic and quality testing Mobile labs/clinics (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	8	280	79.8	0	0	0
2	Maharashtra	1	35	8.4	0	0	0
3	Odisha	4	140	42	0	0	0
4	Punjab	0	0	0	1	35	8.4
5	Uttar Pradesh	4	140	42	2	70	21
Total		17	595	172.2	3	105	29.4

Source: PMMSY Unit, DoF

Table- 14.81 : Approved Backyard Ornamental fish rearing units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	6	18	9	2	6	3
2	Assam	20	60	29.7	80	240	129.6
3	Bihar	12	36	10.8	30	90	27
4	Chhattisgarh	15	45	10.8	15	45	10.8
5	Daman & Diu	2	6	3.6	-	-	-
6	Delhi	5	15	7.8	-	-	-
7	Goa	0	0	0	2	6	1.8
8	Himachal Pradesh	1	3	1.62	-	-	-
9	Jharkhand	7	21	6.48	4	12	4.32
10	Karnataka	0	0	0	55	165	50.04
11	Kerala	0	0	0	300	900	270
12	Lakshadweep	3	9	5.4	-	-	-
13	Maharashtra	42	126	39.96	9	27	9
14	Manipur	0	0	0	10	30	13.5
15	Meghalaya	2	6	3.24	40	120	64.8
16	Mizoram	12	36	19.44	0	0	0
17	Nagaland	12	36	19.44	10	30	16.2
18	Odisha	0	0	0	5	15	4.68
19	Puducherry	9	27	13.8	0	0	0
20	Sikkim	20	60	32.4	50	150	81
21	Tamil Nadu	13	39	10.8	110	330	93.6
22	Tripura	8	24	12.42	8	24	11.88
23	Uttar Pradesh	8	24	12.42	10	30	9.36
Total		197	591	249.12	740	2220	800.58

Source: PMMSY Unit, DoF

- : NA

Table- 14.82: Approved Medium Scale Ornamental fish rearing units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	10	80	23.04	20	160	84.96
2	Bihar	10	80	23.04	10	80	24
3	Chhattisgarh	2	16	3.84	2	16	3.84
4	Delhi	5	40	20.8	0	0	0
5	Goa	0	0	0	1	8	1.92
6	Haryana	3	24	6.72	5	40	11.52
7	Himachal Pradesh	1	8	4.32	-	-	-
8	Jharkhand	5	40	14.4	0	0	0
9	Karnataka	0	0	0	12	96	28.8
10	Kerala	0	0	0	50	400	120
11	Maharashtra	7	56	18.24	4	32	10.56
12	Manipur	0	0	0	8	64	28.8
13	Meghalaya	0	0	0	3	24	12.96
14	Mizoram	1	8	4.32	0	0	0
15	Odisha	0	0	0	2	16	4.8
16	Sikkim	0	0	0	4	32	17.28
17	Tamil Nadu	12	96	26.88	35	280	81.6
18	Tripura	5	40	20.16	2	16	8.64
Total		61	488	165.76	158	1264	439.68

Source: PMMSY Unit, DoF

- : NA

Table- 14.83: Approved Integrated Ornamental Fish Units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	2	50	15	5	125	67.5
2	Bihar	2	50	15	5	125	36
3	Chhattisgarh	1	25	6	4	100	36
4	Gujarat	0	0	0	5	125	30
5	Jammu & Kashmir	-	-	-	1	25	25
6	Jharkhand	5	125	42	1	25	9
7	Karnataka	0	0	0	6	150	45
8	Kerala	-	-	-	20	500	150
9	Madhya Pradesh	1	25	6	2	50	12
10	Maharashtra	7	175	57	9	27	9
11	Punjab	-	-	-	1	25	6
12	Tamil Nadu	-	-	-	22	550	195
13	Tripura	1	25	13.5	0	0	0
Total		19	475	154.5	81	1827	620.5

Source: PMMSY Unit, DoF

- : NA

Table- 14.84: Approved units of Establishment of Seaweed culture rafts including inputs (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	6000	90	32.4	20000	300	82.8
2	Gujarat	0	0	0	1000	15	3.6
3	Karnataka	10000	150	45	0	0	0
4	Lakshadweep	0	0	0	500	9	5.4
5	Maharashtra	2000	30	10.8	2000	30	10.8
6	Tamil Nadu	13000	195	70.2	0	0	0
Total		31000	465	158.4	23500	354	102.6

Source: PMMSY Unit, DoF

Table- 14.85: Approved units for Establishment of Seaweed culture with Monoline/tubenet Method including inputs (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	1200	96	34.56	40000	3200	867.84
2	Karnataka	20000	1600	480	1000	80	28.8
3	Maharashtra	800	64	23.04	0	0	0
4	Tamil Nadu	531	42.48	15.29	0	0	0
Total		22531	1802.48	552.89	41000	3280	896.64

Source: PMMSY Unit, DoF

Table 14.86: Approved area under New ponds in Himalayan Region (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	-	-	-	100	840	453.6
1	Himachal Pradesh	20	168	78.684	-	-	-
2	Jammu and Kashmir	7	58.8	26.88	20	168	73.92
3	Nagaland	-	-	-	50	420	226.8
4	Uttarakhand	23.6	165.2	70.31	-	-	-
Total		50.6	392	175.874	170	1428	754.32

Source: PMMSY Unit, DoF

- : NA

Table- 14.87 : Approved Construction of Raceway units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	50	150	81	200	500	270
2	Himachal Pradesh	120	360	167.4	-	-	-
3	Jammu and Kashmir	250	750	330	200	600	264
4	Ladakh	20	60	36	90	270	162
5	Meghalaya	0	0	0	1	5.5	2.97
6	Nagaland	0	0	0	10	30	16.2
7	Sikkim	200	600	324	200	600	324
8	Uttarakhand	518	1554	633.96	508	1524	675.54
Total		1158	3474	1572.36	1209	3529.5	1714.71

Source: PMMSY Unit, DoF

- : NA

Table- 14.88 : Approved units for Establishment of Trout Fish Hatcheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Jammu and Kashmir	1	50	20	2	100	40
2	Himachal Pradesh	3	150	81	0	0	0
3	Ladakh	0	0	0	2	100	60
4	Nagaland	0	0	0	2	100	54
5	Sikkim	0	0	0	2	100	54
6	Uttarakhand	0	0	0	2	100	45
Total		4	200	101	10	500	253

Source: PMMSY Unit, DoF

Table- 14.89: Approved units of Establishment of Large RAS in Himalayan region (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Sikkim	0	0	0	4	80	43.2
2	Uttarakhand	-	-	-	8	160	75.6
Total		0	0	0	12	160	75.6

Source: PMMSY Unit, DoF
- : NA

Table- 14.90: Approved units under Multipurpose Support Services – Sagar Mitra (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	350	315	189	-	-	-
2	Andaman & Nicobar Islands	0	0	0	70	126	126
3	Daman & Diu	6	2.7	2.7	-	-	-
4	Goa	20	18	10.8	38	-	-
5	Gujarat	0	0	0	260	468	280.8
6	Karnataka	120	2704	829.26	-	-	-
7	Kerala	222	199.8	119.8	-	-	-
8	Lakshadweep	0	0	0	10	18	18
9	Maharashtra	173	103.8	62.28	-	-	-
10	Odisha	600	540	324	-	-	-
11	Puducherry	32	28.8	28.8	-	-	-
12	Tamil Nadu	600	540	324	-	-	-
Total		2123	4452.1	1890.64	378	680.4	465.84

Source: PMMSY Unit, DoF
- : NA

Table- 14.91:Approved units under Integrated Reservoir Development (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Manipur	1	300	270	-	-	-
2	Kerala	4	1600	960	3	360.6	1081.8
3	Maharashtra	5	1700	1020	-	-	-
4	Odisha	2	750	450	-	-	-
5	Tamil Nadu	5	1108.25	664.95	-	-	-
Total		17	5458.25	3364.95	3	360.6	1081.8

Source: PMMSY Unit, DoF
- : NA

Table 14.92: Construction of New Grow-out ponds (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	4	28	12.6	10	70	35	6	42	21	20	140	68.6
2	Arunachal Pradesh	108	907.2	489.89	-	-	-	-	-	-	108	907.2	489.89
3	Assam	205	1722	813.46	100	840	399.17	-	-	-	305	2562	1212.63
4	Bihar	300	2100	448.56	100	700	203.28	200	1400	406.56	600	4200	1058.4
5	Chhattisgarh	650	4550	1218	200	1400	336	750	5250	1680	1600	11200	3234
6	Daman & Diu	1	7	4.2	-	-	-	-	-	-	1	7	4.2
7	Goa	-	-	-	-	-	-	2	14	3.36	2	14	3.36
8	Gujarat	0.00	0.00	0.00	10	70	18.48	9.13	63.91	20.378	19.13	133.91	38.858
9	Haryana	150	1050	294	65	455	121.8	150	1050	336	365	2555	751.8
10	Jharkhand	96	672	211.68	50	350	121.8	65.2	456.4	149.35	211.2	1478.4	482.83
11	Karnataka	400	2800	890.4	500	3500	1092	500	3500	1092	1400	9800	3074.4
12	Kerala	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
13	Madhya Pradesh	689	4823	1430.52	700	4900	1473.36	700	4900	1482.6	2089	14623	4386.48
14	Maharashtra	85.2	596.4	190.05	101.49	710.43	238.59	64.28	449.96	161.99	250.97	1756.79	590.63
15	Manipur	120	1008	483.84	0.00	0.00	0.00	75	525	252	195	1533	735.84
16	Meghalaya	90	756	408.24	0.00	0.00	0.00	-	-	-	90	756	408.24
17	Mizoram	157	1318.8	712.15	0.00	0.00	0.00	-	-	-	157	1318.8	712.15
18	Nagaland	120	1008	234.32	50	350	189	50	350	189	220	1708	612.32
19	Odisha	300	2100	630	150	1050	327.6	-	-	-	450	3150	957.6
20	Puducherry	30	210	114.8	5	35	16.8	3	21	11.2	38	266	142.8
21	Punjab	120	840	201.6	100	700	178.08	150	1050	313.32	370	2590	693
22	Rajasthan	20	140	43.68	10	70	21.84	10	70	21.84	40	280	87.36
23	Tamil Nadu	100	700	193.2	85	595	171.36	10	70	21.84	195	1365	386.4
24	Telangana	200	1400	420	200	1400	403.2	-	-	-	400	2800	823.2
25	Tripura	145	1218	579.1	100	840	391.61	100	840	399.17	345	2898	1369.88
26	Uttar Pradesh	1022.85	7159.97	1993.97	250	1750	488.84	514.89	3604.23	1040.01	1787.74	12514.2	3522.82
27	Uttarakhand	0.00	0.00	0.00	31.55	220.85	90.22	91.9	643.3	264.07	123.45	864.15	354.29
28	West Bengal	-	-	-	-	-	-	18	50.76	14.57	18	50.76	14.57
	Total	**5113.05**	**37114.37**	**12018.26**	**2818.04**	**20006.28**	**6318.03**	**3469.4**	**24350.56**	**7880.258**	**11400.49**	**81471.21**	**26216.548**

Source: PMMSY Unit, DoF

- : NA

Table 14.93: Inputs for fresh water Aquaculture including Composite fish culture, Scampi, Pangasius, Tilapia etc. (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	4	16	7.2	10	40	20	6	24	12	20	80	39.2
2	Arunachal Pradesh	108	432	233.28	-	-	-	-	-	-	108	432	233.28
3	Assam	205	820	387.36	-	-	-	-	-	-	205	820	387.36
4	Bihar	300	1200	352.32	100	400	116.6	200	800	232.32	600	2400	701.24
5	Chhattisgarh	650	2600	696	200	800	246.72	750	3000	960	1600	6400	1902.72
6	Daman & Diu	4	16	9.6	-	-	-	-	-	-	4	16	9.6
7	Goa	-	-	-	-	-	-	2	8	1.92	2	8	1.92
8	Gujarat	-	-	-	10	40	10.56	9.13	63.91	20.378	19.13	103.91	30.938
9	Haryana	150	600	168	65	260	69.6	150	600	192	365	1460	429.6
10	Jharkhand	96	384	120.96	50	200	64.08	65.2	260.8	85.34	211.2	844.8	270.38
11	Kerala	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
12	Karnataka	400	1600	508.8	500	2000	624	500	2000	624	1400	5600	1756.8
13	Madhya Pradesh	689	2756	817.44	700	2800	841.92	700	2800	847.2	2089	8356	2506.56
14	Maharashtra	85.2	340.8	108.6	101.49	405.96	136.33	64.28	257.12	92.56	250.97	1003.88	337.49
15	Manipur	120	480	230.4	-	-	-	150	600	288	270	1080	518.4
16	Meghalaya	116.5	466	251.64	-	-	-	63	252	136.08	179.5	718	387.72
17	Mizoram	157	658.8	339.12	95	380	205.2	-	-	-	252	1038.8	544.32
18	Nagaland	120	440	237.6	50	200	108	100	400	216	270	1040	561.6
19	Odisha	300	1200	360	150	225	70.2	-	-	-	450	1425	430.2
20	Puducherry	30	120	65.6	5	20	9.6	3	12	6.4	38	152	81.6
21	Punjab	120	480	115.2	100	400	101.76	150	600	179.04	370	1480	396
22	Rajasthan	20	80	24.96	10	40	12.48	10	40	12.48	40	160	49.92
23	Tamil Nadu	100	400	110.4	85	340	97.92	10	40	12.48	195	780	220.8
24	Telangana	200	800	240	200	800	230.4	-	-	-	400	1600	470.4
25	Tripura	155	620	297.36	345.02	1380.08	659.87	100	400	190.08	600.02	2400.08	1147.31
26	Uttar Pradesh	1022.85	4091.41	1139.409	250	1000	279.34	514.89	2059.56	594.29	1787.74	7150.97	2013.039
27	Uttarakhand	-	-	-	31.55	126.2	51.55	91.9	367.6	150.9	123.45	493.8	202.45
	Total	**5152.55**	**20601.01**	**6821.249**	**3058.06**	**11857.24**	**3956.13**	**3639.4**	**14584.99**	**4853.468**	**11850.01**	**47043.24**	**15630.847**

Source: PMMSY Unit, DoF
- : NA

Table 14.94: Establishment of need based New Brackish Hatcheries(shell fish and fin fish) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	4	200	60	-	-	-	2	100	30	6	300	90
2	Karnataka	-	-	-	1	50	18	-	-	-	1	50	18
3	Kerala	-	-	-	-	-	-	2	100	24	2	100	24
4	Odisha	2	100	30	2	100	30	-	-	-	4	200	60
	Total	**6**	**300**	**90**	**3**	**150**	**48**	**4**	**200**	**54**	**13**	**650**	**192**

Source: PMMSY Unit, DoF
- : NA

Table 14.95: Construction of New ponds for Brackish Water Aquaculture (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	10	80	38.4	14	112	52.8	-	-	-	24	192	91.2
2	Goa	2	16	3.84	0.00	0.00	0.00	-	-	-	2	16	3.84
3	Gujarat	0.00	0.00	0.00	200	1600	384	-	-	-	200	1600	384
4	Karnataka	14	112	34.56	25	200	62.4	-	-	-	39	312	96.96
5	Kerala	0.00	0.00	0.00	60	480	144	48	288	69.12	108	768	213.12
6	Maharashtra	13.51	108.08	34.68	1.35	10.8	2.59	-	-	-	14.86	118.88	37.27
7	Odisha	400	3200	960	400	3200	960	-	-	-	800	6400	1920
8	Puducherry	5	40	22.4	0.00	0.00	0.00	4	32	16	9	72	38.4
9	Tamil Nadu	0.00	0.00	0.00	100	800	205.44	-	-	-	100	800	205.44
10	West Bengal	-	-	-	-	-	-	4	32	9.6	4	32	9.6
	Total	**444.51**	**3556.08**	**1093.88**	**800.35**	**6402.8**	**1811.23**	**56**	**352**	**94.72**	**1300.86**	**10310.88**	**2999.83**

Source: PMMSY Unit, DoF

- : NA

Table 14.96: Construction of New ponds for Saline /Alkaline areas (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Haryana	150	1200	350.4	400	3200	936	500	4000	1248	1050	8400	2534.4
2	Karnataka	-	-	-	65	520	157.44	-	-	-	65	520	157.44
3	Maharashtra	-	-	-	0.8	6.4	1.92	-	-	-	0.8	6.4	1.92
4	Punjab	150	1000	216	123	984	241.92	200	1200	372.38	473	3184	830.3
5	Rajasthan	20	40	12.48	30	240	74.88	60	480	163.2	110	760	250.56
6	Uttar Pradesh	58	464	123.84	10	80	24	23.39	140.34	42.39	91.39	684.34	190.23
	Total	**378**	**2704**	**702.72**	**628.8**	**5030.4**	**1436.16**	**783.39**	**5820.34**	**1825.97**	**1790.19**	**13554.74**	**3964.85**

Source: PMMSY Unit, DoF

- : NA

Table 14.97: Inputs for Brackish Water Aquaculture (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	10	60	28.8	14	84	39.6	-	-	-	24	144	68.4
2	Goa	2	12	2.88	0	0	0	-	-	-	2	12	2.88
3	Gujarat	0.00	0.00	0.00	200	1200	288	-	-	-	200	1200	288
4	Karnataka	14	84	25.92	25	150	46.8	-	-	-	39	234	72.72
5	Kerala	0.00	0.00	0.00	60	360	108	48	288	69.12	108	648	177.12
6	Maharashtra	13.51	81.06	26.01	1.35	8.1	1.94	-	-	-	14.86	89.16	27.95
7	Odisha	400	2400	720	400	2400	720	-	-	-	800	4800	1440
8	Puducherry	5	30	16.8	0.00	0.00	0.00	4	24	12	9	54	28.8
9	Tamil Nadu	0.00	0.00	0.00	100	600	154.08	-	-	-	100	600	154.08
	Total	**444.51**	**2667.06**	**820.41**	**800.35**	**4802.1**	**1358.42**	**52**	**312**	**81.12**	**1296.86**	**7781.16**	**2259.95**

Source: PMMSY Unit, DoF

- : NA

Table 14.98: Inputs for Saline /Alkaline Water Aquaculture (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Haryana	150	900	262.8	400	3200	1182	500	3600	1296	1050	7700	2740.8
2	Karnataka	-	-	-	65	390	118.08	-	-	-	65	390	118.08
3	Maharashtra	-	-	-	0.8	4.8	1.44	-	-	-	0.8	4.8	1.44
4	Punjab	150	900	276	123	738	181.44	200	1200	372.38	473	2838	829.82
5	Rajasthan	20	160	57.44	30	240	92.16	60	480	194.4	110	880	344
6	Uttar Pradesh	58	348	92.88	10	60	18	23.39	140.34	42.39	91.39	548.34	153.27
	Total	**378**	**2308**	**689.12**	**628.8**	**4632.8**	**1593.12**	**783.39**	**5420.34**	**1905.17**	**1790.19**	**12361.14**	**4187.41**

Source: PMMSY Unit, DoF
- : NA

Table 14.99: Construction of Biofloc Ponds for Brackish water/Saline/Alkaline including inputs of Rs 8 lakhs/Ha (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	0.00	0.00	0.00	2	36	18	-	-	-	2	36	18
2	Andhra Pradesh	30	540	162	-	-	-	20	360	103.68	50	900	265.68
3	Delhi	-	-	-	4	72	36	-	-	-	4	72	36
4	Goa	4	72	21.6	-	-	-	-	-	-	4	72	21.6
5	Gujarat	-	-	-	-	-	-	1	18	4.32	1	18	4.32
5	Karnataka	10	180	54	14	252	75.6	-	-	-	24	432	129.6
6	Kerala	-	-	-	-	-	-	10	180	43.2	10	180	43.2
7	Maharashtra	1	18	6.48	-	-	-	-	-	-	1	18	6.48
8	Punjab	5	90	21.6	-	-	-	-	-	-	5	90	21.6
9	Tamil Nadu	-	-	-	25	450	112.32	5	90	25.92	30	540	138.24
	Total	**50**	**900**	**265.68**	**45**	**810**	**241.92**	**36**	**648**	**177.12**	**131**	**2358**	**684.72**

Source: PMMSY Unit, DoF
- : NA

Table 14.100: Construction of Biofloc Ponds for for Freshwater areas including inputs of Rs 4 lakhs/Ha (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	-	-	-	5	70	28	-	-	-	5	70	28
2	Andhra Pradesh	17	238	68.88	-	-	-	30	420	117.6	47	658	186.48
3	Bihar	100	1400	413.28	-	-	-	-	-	-	100	1400	413.28
4	Chhattisgarh	-	-	-	-	-	-	510	7140	2395.68	510	7140	2395.68
5	Goa	4	56	16.8	-	-	-	-	-	-	4	56	16.8
6	Himachal Pradesh	10	140	65.52	12	168	78.12	9	126	60.48	31	434	204.12
7	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
8	Jharkhand	30	420	136.08	15	210	70.56	45	630	218.4	90	1260	425.04
9	Karnataka	50.4	705.6	207.98	50	700	210	150	2100	714	250.4	3505.6	1131.98
10	Kerala	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
11	Madhya Pradesh	-	-	-	21	294	92.4	64	896	292.32	85	1190	384.72
12	Maharashtra	28	392	132.72	27	378	127.68	42	588	210	97	1358	470.4
13	Manipur	-	-	-	5	70	30.24	-	-	-	5	70	30.24
14	Meghalaya	2	28	15.12	15	210	113.4	10	140	75.6	27	378	204.12
15	Nagaland	-	-	-	10	140	75.6	-	-	-	10	140	75.6
16	Puducherry	-	-	-	2	28	14	-	-	-	2	28	14
17	Punjab	5	70	16.8	-	-	-	-	-	-	5	70	16.8
18	Rajasthan	1	14	5.04	-	-	-	-	-	-	1	14	5.04
19	Tamil Nadu	15	210	58.8	-	-	-	-	-	-	15	210	58.8
20	Uttar Pradesh	409	5726	1713.6	298	4172	1233.12	299	4186	1233.12	1006	14084	4179.84
21	Uttarakhand	-	-	-	3	42	18.9	1	14	7.56	4	56	26.46
22	West Bengal	-	-	-	-	-	-	108	1509.5	491.64	108	1509.5	491.64
	Total	**671.4**	**9399.6**	**2850.62**	**463**	**6482**	**2092.02**	**1268**	**17749.5**	**5816.4**	**2402.4**	**33631.1**	**10759.04**

Source: PMMSY Unit, DoF

- : NA

Table 14.101 Stocking of Fingerling (FL) in Wetlands @2000FL/ha (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	1580	47.4	23.6	280	8.4	4.16	550	16.5	8.597	2410	72.3	36.357
2	Bihar	400	12	3.48	1600	48	13.94	1000	30	8.71	3000	90	26.13
3	Goa	-	-	-	-	-	-	10	0.3	0.07	10	0.3	0.07
4	Kerala	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
5	Meghalaya	-	-	-	40	1.2	0.65	40	1.2	0.65	80	2.4	1.3
6	Mizoram	-	-	-	4	0.12	0.06	4	0.12	0.06	8	0.24	0.12
7	Nagaland	-	-	-	50	1.5	0.81	-	-	-	50	1.5	0.81
8	West Bengal	-	-	-	-	-	-	7	0.21	0.05	7	0.21	0.05
	Total	**1980**	**59.4**	**27.08**	**1974**	**59.22**	**19.62**	**1611**	**48.33**	**18.137**	**5565**	**166.95**	**64.837**

Source: PMMSY Unit, DoF

- : NA

Table 14.102 Stocking of Fingerlings in Reservoirs @1000FL/ha (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	131400	3942	1155.15	-	-	-	600	1800	486	132000	5742	1641.15
2	Bihar	1000	30	8.71	2450	73.5	21.34	-	-	-	3450	103.5	30.05
3	Chhattisgarh	-	-	-	10000	300	72	10000	300	72	20000	600	144
4	Gujarat	5318	159.54	57.43	1000	30	10.8	1400	4200	1008	7718	4389.54	1076.23
5	Jharkhand	-	-	-	1250	37.5	13.32	-	-	-	1250	37.5	13.32
6	Karnataka	20000	600	180	146.27	438.81	117.55	-	-	-	20146.27	1038.81	297.55
7	Madhya Pradesh	4343	130.29	42.224	-	-	-	-	-	-	4343	130.29	42.224
8	Maharashtra	8179	245.37	66	4065	122.25	32.8	3.34	10.02	2.4	12247.34	377.64	101.2
9	Meghalaya	653.5	19.61	10.59	-	-	-	-	-	-	653.5	19.61	10.59
10	Mizoram	-	-	-	4500	135	72.9	8000	240	129.6	12500	375	202.5
11	Nagaland	10	0.3	0.16	1000	30	16.2	1000	30	16.2	2010	60.3	32.56
12	Punjab	-	-	-	10	0.3	0.07	-	-	-	10	0.3	0.07
13	Tamil Nadu	6434	193.02	46.32	-	-	-	6434	193.02	46.32	12868	386.04	92.64
14	Telangana	135056	1330.17	340.08	1413.62	2120.43	508.9032	1235.98	1853.97	444.95	137705.6	5304.57	1293.9332
15	Tripura	2000	60	340.08	2250	67.5	36.45	-	-	-	4250	127.5	376.53
16	Uttarakhand	-	-	-	14	42	15.12	18.99	0.57	0.21	32.99	42.57	15.33
	Total	**314393.5**	**6710.3**	**2246.744**	**28098.89**	**3397.29**	**917.4532**	**28692.31**	**8627.58**	**2205.68**	**371184.7**	**18735.17**	**5369.8772**

Source: PMMSY Unit, DoF
- : NA

Table 14.103 Establishment of Small Marine Finfish Hatcheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	50	20	-	-	-	-	-	-	1	50	20
2	Karnataka	1	50	12	2	100	30	-	-	-	3	150	42
3	Kerala	-	-	-	-	-	-	1	50	12	1	50	12
	Total	**2**	**100**	**32**	**2**	**100**	**30**	**1**	**50**	**12**	**5**	**250**	**74**

Source: PMMSY Unit, DoF
- : NA

Table 14.104 Construction of large Marine Finfish Hatcheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Karnataka	-	-	-	1	250	90	-	-	-	1	250	90
2	Odisha	-	-	-	-	-	-	4	1000	300	4	1000	300
	Total	**0.00**	**0.00**	**0.00**	**1**	**250**	**90**	**4**	**1000**	**300**	**5**	**1250**	**390**

Source: PMMSY Unit, DoF
- : NA

Table 14.105 Marine Finfish Nurseries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Karnataka	2	30	7.2	2	30	9	-	-	-	4	60	16.2
2	Kerala	-	-	-	-	-	-	1	15	3.6	1	15	3.6
3	Tamil Nadu	2	30	7.2	-	-	-	-	-	-	2	30	7.2
	Total	**4**	**60**	**14.4**	**2**	**30**	**9**	**1**	**15**	**3.6**	**7**	**105**	**27**

Source: PMMSY Unit, DoF
- : NA

Table 14.106 Establishment of Open Sea cages (100-120 cubic meter volume) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	6	30	15	-	-	-	-	-	-	6	30	15
2	Andhra Pradesh	500	2500	678	300	1500	406.8	-	-	-	800	4000	1084.8
3	Gujarat	0.00	0.00	0.00	500	2500	600	-	-	-	500	2500	600
4	Maharashtra	10	50	18	65	325	117	35	175	63	110	550	198
5	Tamil Nadu	10	50	13.8	50	250	64.8	25	125	33	85	425	111.6
	Total	**526**	**2630**	**724.8**	**915**	**4575**	**1188.6**	**60**	**300**	**96**	**1501**	**7505**	**2009.4**

Source: PMMSY Unit, DoF
- : NA

Table 14.107 Establishment of Seaweed culture rafts including inputs (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	6000	90	32.4	20000	300	82.8	-	-	-	26000	390.00	115.20
2	Karnataka	10000	150	45	0.00	0.00	0.00	-	-	-	10000	150.00	45.00
3	Lakshadweep	0.00	0.00	0.00	500	9	5.4	-	-	-	500	9.00	5.40
4	Maharashtra	-	-	-	1000	15	5.4	-	-	-	1000	15.00	5.40
5	Tamil Nadu	6390	95.85	34.5	0.00	0.00	0.00	1200	18	6.48	7590	113.85	40.98
	Total	**22390**	**335.85**	**111.9**	**21500**	**324**	**93.6**	**1200**	**18**	**6.48**	**45090**	**677.85**	**211.98**

Source: PMMSY Unit, DoF
- : NA

Table 14.108 Establishment of Seaweed culture with Monoline/tubenet Method including inputs (one unit is approximately equal to 25 ropes of 25m length) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	1200	96	34.56	40000	3200	867.84	-	-	-	41200	3296.00	902.40
2	Gujarat	-	-	-	-	-	-	200	16	4.8	200	16.00	4.80
3	Karnataka	20000	1600	480	1000	80	28.8	-	-	-	21000	1680.00	508.80
4	Lakshadweep	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
5	Maharashtra	-	-	-	1000	15	4	-	-	-	1000	15.00	4.40
6	Tamil Nadu	1770	141.6	50.97	0.00	0.00	0.00	500	40	14.4	2270	181.60	65.37
	Total	**22970**	**1837.6**	**565.53**	**42000**	**3295**	**901.04**	**700**	**56**	**19.2**	**65670**	**5188.6**	**1485.77**

Source: PMMSY Unit, DoF
- : NA

Table 14.109 Bivalve cultivation (mussels, clams, pearl etc.) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	10	2	1	3	0.20	0.60	-	-	-	13	2.20	1.60
2	Andhra Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
2	Assam	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
3	Goa	10	2	0.6	10	2	0.6	35	7	2.28	55	11.00	3.48
4	Karnataka	118	23.6	8.33	20	4	1.25	25	5	1.2	163	32.60	10.78
5	Kerala	-	-	-	-	-	-	10	2	0.48	10	2.00	0.48
6	Madhya Pradesh	-	-	-	-	-	-	18	3.6	1.08	18	3.60	1.08
7	Tripura	-	-	-	61	12.2	5.83	-	-	-	61	12.20	5.83
8	Tamil Nadu	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
	Total	**138**	**27.6**	**9.93**	**94**	**18.4**	**8.28**	**88**	**17.6**	**5.04**	**320**	**63.6**	**23.25**

Source: PMMSY Unit, DoF
- : NA

Table 14.110 Establishment of Trout Fish Hatcheries (In Rs. Lakhs)

Sl.N	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Jammu and Kashmir	1	50.00	20.00	2	100	40	2	100	40	5	250	100
2	Himachal Pradesh	3	150	81	5	250	117	2	100	54	10	500	252
3	Ladakh	0	0	0	2	100	60	2	100	60	4	200	120
4	Nagaland	0	0	0	2	100	54	-	-	-	2	100	54
5	Sikkim	0	0	0	2	100	54	3	150	81	5	250	135
6	Uttarakhand	0	0	0	2	100	45	1	50	18	3	150	63
Total		4	200	101	15	750	370	10	500	253	29	1450	724

Source: PMMSY Unit, DoF
- : NA

Table 14.111 Construction of Raceways (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	50	150	81	200	500	270	60	180	97.2	310	830	448.2
2	Himachal Pradesh	120	360	167.4	188	564	267.84	170	510	248.4	478	1434	683.64
3	Jammu and Kashmir	250	750.00	330.00	200	600	264	200	600	264	650	1950	858
4	Ladakh	20	60	36	90	270	162	90	270	162	200	600	360
5	Meghalaya	0.00	0.00	0.00	1	5.5	2.97	10	30	16.2	11	35.5	19.17
6	Mizoram	-	-	-	5	15	8.1	1	3	1.62	6	18	9.72
7	Nagaland	0.00	0.00	0.00	10	30	16.2	18	54	29.16	28	84	45.36
8	Sikkim	200	600	324	200	600	324	200	600	324	600	1800	972
9	Uttarakhand	518	1554	633.96	508	1524	675.54	466	1398	635.04	1492	4476	1944.54
10	West Bengal	-	-	-	-	-	-	6	25.5	9.18	6	25.5	9.18
	Total	**1158**	**3474**	**1572.36**	**1402**	**4108.5**	**1990.65**	**1221**	**3670.5**	**1786.8**	**3781**	**11253**	**5349.81**

Source: PMMSY Unit, DoF
- : NA

Table 14.112 Inputs for Trout Rearing Units (Raceways) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	50	125	67.5	200	500	270	60	150	81	310	775	418.5
2	Himachal Pradesh	120	300	139.5	188	470	223.2	170	425	207	478	1195	569.7
3	Jammu and Kashmir	250	625.00	275.00	200	500	220	200	500	220	650	1625	715
4	Ladakh	20	50	30	90	225	135	90	225	135	200	500	300
5	Meghalaya	-	-	-	-	-	-	10	25	13.5	10	25	13.5
6	Nagaland	0.00	0.00	0.00	10	25	13.5	18	45	24.3	28	70	37.8
7	Sikkim	200	500	270	200	500	270	200	500	270	600	1500	810
8	Uttarakhand	518	1295	528.3	508	1270	562.95	466	1165	529.2	1492	3730	1620.45
	Total	**1158**	**2895**	**1310.3**	**1396**	**3490**	**1694.65**	**1214**	**3035**	**1480**	**3768**	**9420**	**4484.95**

Source: PMMSY Unit, DoF
- : NA

Table 14.113 Construction of New Ponds in Himalayan/North East Region. (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	-	-	-	100	840	453.6	237.77	1997.268	1078.52	337.77	2837.268	1532.12
2	Assam	-	-	-	-	-	-	400	3360	1639.77	400	3360	1639.77
3	Himachal Pradesh	20	168	78.684	20	168	76.51	22	184.8	85.05	62	520.8	240.244
4	Jammu and Kashmir	7	58.80	26.88	20	168	73.92	-	-	-	27	226.8	100.8
5	Manipur	-	-	-	-	-	-	75	630	302.4	75	630	302.4
6	Meghalaya	-	-	-	-	-	-	200	1680	907.2	200	1680	907.2
7	Mizoram	-	-	-	95	798	430.92	116	974	526.18	211	1772	957.1
8	Nagaland	-	-	-	50	420	226.8	50	420	226.8	100	840	453.6
9	Tripura	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
10	Uttarakhand	23.6	165.2	70.31	-	-	-	-	-	-	23.6	165.2	70.31
	Total	**50.6**	**392**	**175.874**	**285**	**2394**	**1261.75**	**1100.77**	**9246.068**	**4765.92**	**1436.37**	**12032.068**	**6203.544**

Source: PMMSY Unit, DoF
- : NA

Table 14.114 Inputs for new Grow out ponds in Himalayan Region (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	-	-	-	100	400	216	237.77	951.08	513.58	337.77	1351.08	729.58
2	Assam	-	-	-	-	-	-	400	1600	780.84	400	1600	780.84
3	Himachal Pradesh	20	80	37.44	20	80	36.43	22	88	40.5	62	248	114.37
4	Jammu and Kashmir	7	28.00	12.80	20	80	35.2	-	-	-	27	108	48
5	Meghalaya	-	-	-	-	-	-	200	800	432	200	800	432
6	Mizoram	-	-	-	-	-	-	116	464	250.56	116	464	250.56
7	Nagaland	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
8	Tripura	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
9	Uttarakhand	23.6	94.4	40.18	-	-	-	-	-	-	23.6	94.4	40.18
	Total	**50.6**	**202.4**	**90.42**	**140**	**560**	**287.63**	**975.77**	**3903.08**	**2017.48**	**1166.37**	**4665.48**	**2395.53**

Source: PMMSY Unit, DoF
- : NA

Table 14.115 Establishment of Mini RAS for Cold water Fisheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Uttarakhand	4	30	12.15	-	-	-	-	-	-	4	30	12.15
	Total	**4**	**30**	**12.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4**	**30**	**12.15**

Source: PMMSY Unit, DoF
- : NA

Table 14.116 Establishment of Medium RAS for cold water Fisheries (In Rs. Lakhs)

Sl.N	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Jammu & Kashmir	-	-	-	-	-	-	10	200	88	10	200	88
2	Ladakh	-	-	-	-	-	-	4	80	48	4	80	48
3	Sikkim	0	0	0	4	80	43.2	-	-	-	4	80	43.2
4	Uttarakhand	0	0	0	8	160	75.6	-	-	-	8	160	75.6
Total		0	0	0	12	160	75.6	14	280	136	26	160	75.6

Source: PMMSY Unit, DoF
- : NA

Table 14.117 Establishment of Large RAS for cold water fisheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Himachal Pradesh	2	100	54	2	100	54	-	-	-	4	200	108
2	Jammu and Kashmir	3	150	90	-	-	-	5	250	110	8	400	200
3	Ladakh	-	-	-	-	-	-	1	60	36	1	60	36
4	Uttarakhand	10	500	243	-	-	-	-	-	-	10	500	243
	Total	**15**	**750**	**387**	**2**	**100**	**54**	**6**	**310**	**146**	**23**	**1160**	**587**

Source: PMMSY Unit, DoF
- : NA

Table 14.118 Input support for Integrated fish farming (paddy cum fish cultivation, livestock cum fish, etc) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	-	-	-	300	300	162	-	-	-	300	300	162
2	Assam	200	200	95.76	200	200	96.03	225	225	111.6	625	625	303.39
3	Manipur	100	100	54	100	100	45.54	300	300	135	500	500	234.54
4	Meghalaya	121	121	65.34	153	153	82.62	65.55	65.55	35.4	339.55	339.55	183.36
5	Mizoram	100	100	54	-	-	-	50	50	27	150	150	81
6	Nagaland	100	100	54	50	50	27	480	480	259.2	630	630	340.2
7	Tripura	32.4	32.4	15.09	221.76	221.76	109.86	220.64	220.64	113.39	474.8	474.8	238.34
	Total	**653.4**	**653.4**	**338.19**	**1024.76**	**1024.76**	**523.05**	**1341.19**	**1341.19**	**681.59**	**3019.35**	**3019.35**	**1542.83**

Source: PMMSY Unit, DoF
- : NA

Table 14.119 Backyard Ornamental fish Rearing unit (both Marine and Fresh water) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	6	18	9	2	6	3	-	-	-	8	24	12
2	Assam	20	60	29.7	80	240	129.6	40	120	63.18	140	420	222.48
3	Bihar	12	36	10.8	30	90	27	-	-	-	42	126	37.8
4	Chhattisgarh	15	45	10.8	15	45	10.8	10	30	9.72	40	120	31.32
5	Daman & Diu	2	6	3.6	-	-	-	-	-	-	2	6	3.6
6	Delhi	5	15	7.80	-	-	-	-	-	-	5	15	7.8
7	Goa	0.00	0.00	0.00	2	6	1.8	-	-	-	2	6	1.8
8	Gujarat	-	-	-	-	-	-	1	3	10.8	1	3	10.8
9	Himachal Pradesh	1	3	1.62	-	-	-	1	3	1.62	2	6	3.24
10	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
11	Jharkhand	7	21	6.48	4	12	4.32	10	30	10.08	21	63	20.88
12	Karnataka	0.00	0.00	0.00	55	165	50.04				55	165	50.04
13	Kerala	0.00	0.00	0.00	300	900	270	160	480	115.2	460	1380	385.2
14	Ladakh	-	-	-	-	-	-	4	12	7.2	4	12	7.2
15	Lakshadweep	3	9	5.4	-	-	-	-	-	-	3	9	5.4
16	Madhya Pradesh	-	-	-	-	-	-	1	3	1.08	1	3	1.08
17	Maharashtra	3	9	2.52	7	21	7.2	-	-	-	10	30	9.72
18	Manipur	0.00	0.00	0.00	10	30	13.5	10	30	13.5	20	60	27
19	Meghalaya	2	6	3.24	40	120	64.8	20	60	32.4	62	186	100.44
20	Mizoram	12	36	19.44	8	24	12.96	-	-	-	20	60	32.4
21	Nagaland	12	36	19.44	10	30	16.2	32	96	51.84	54	162	87.48
22	Odisha	0.00	0.00	0.00	5	15	4.68	-	-	-	5	15	4.68
23	Puducherry	9	27	13.8	-	-	-	10	30	15	19	57	28.8
24	Punjab	-	-	-	-	-	-	1	3	1.08	1	3	1.08
25	Sikkim	20	60	32.4	50	150	81	20	60	32.4	90	270	145.8
26	Tamil Nadu	13	39	10.8	110	330	93.6	-	-	-	123	369	104.4
27	Tripura	8	24	12.42	8	24	11.88	8	24	11.88	24	72	36.18
28	Uttar Pradesh	-	-	-	10	30	9.36	-	-	-	10	30	9.36
29	Uttarakhand	-	-	-	-	-	-	30	90	39.42	30	90	39.42
30	West Bengal	-	-	-	-	-	-	181	543	173.16	181	543	173.16
	Total	**150**	**450**	**199.26**	**746**	**2238**	**811.74**	**539**	**1617**	**589.56**	**1435**	**4305**	**1600.56**

Source: PMMSY Unit, DoF

- : NA

Table 14.120 Medium Scale Ornamental fish Rearing Unit (Marine and Freshwater Fish) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	-	-	-	20	160	84.96	-	-	-	20	160	84.96
2	Bihar	10	80	23.04	10	80	24	-	-	-	20	160	47.04
3	Chhattisgarh	2	16	3.84	2	16	3.84	5	40	14.4	9	72	22.08
4	Delhi	5	40	20.80	0.00	0.00	0.00	-	-	-	5	40	20.8
5	Goa	-	-	-	1	8	1.92	-	-	-	1	8	1.92
6	Haryana	3	24	6.72	5	40	11.52	-	-	-	8	64	18.24
7	Himachal Pradesh	1	8	4.32	-	-	-	1	8	4.32	2	16	8.64
8	Jharkhand	5	40	14.4	0.00	0.00	0.00	1	8	2.88	6	48	17.28
9	Karnataka	0.00	0.00	0.00	12	96	28.8	-	-	-	12	96	28.8
10	Kerala	-	-	-	50	400	120	30	240	57.6	80	640	177.6
11	Madhya Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
12	Maharashtra	2	16	5.76	4	32	10.56	-	-	-	6	48	16.32
13	Manipur	-	-	-	8	64	28.8	-	-	-	8	64	28.8
14	Meghalaya	-	-	-	3	24	12.96	-	-	-	3	24	12.96
15	Mizoram	1	8	4.32	3	24	12.96	-	-	-	4	32	17.28
16	Odisha	0	0	0	2	16	4.8	-	-	-	2	16	4.8
17	Sikkim	-	-	-	4	32	17.28	-	-	-	4	32	17.28
18	Tamil Nadu	12	96	26.88	35	280	81.6	-	-	-	47	376	108.48
19	Tripura	5	40	20.16	2	16	8.64	2	16	8.64	9	72	37.44
20	Uttar Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
21	West Bengal	-	-	-	-	-	-	107	856	288.96	107	856	288.96
	Total	**46**	**368**	**130.24**	**161**	**1288**	**452.64**	**146**	**1168**	**376.8**	**353**	**2824**	**959.68**

Source: PMMSY Unit, DoF

- : NA

Table 14.121 Integrated Ornamental fish unit (breeding and rearing for fresh water fish) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	-	-	-	5	125	67.5	3	75	40.5	8	200	108
2	Bihar	2	50	15	5	125	36	-	-	-	7	175	51
3	Chhattisgarh	1	25	6	4	100	36	1	25	9	6	150	51
4	Jammu & Kashmir	-	-	-	1	25	25	-	-	-	1	25	25
5	Jharkhand	5	125	42	1	25	9	1	25	9	7	175	60
6	Karnataka	0.00	0.00	0.00	6	150	45	-	-	-	6	150	45
7	Kerala	-	-	-	20	500	150	11	275	66	31	775	216
8	Manipur	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
9	Madhya Pradesh	1	25	6	2	50	12	1	25	9	4	100	27
10	Maharashtra	6	150	54	8	200	72	-	-	-	14	350	126
11	Nagaland	-	-	-	-	-	-	1	25	13.5	1	25	13.5
12	Punjab	-	-	-	1	25	6	-	-	-	1	25	6
13	Tamil Nadu	-	-	-	22	550	195	-	-	-	22	550	195
14	Tripura	1	25	13.5	0.00	0.00	0.00	-	-	-	1	25	13.5
15	Uttar Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
16	West Bengal	-	-	-	-	-	-	23	575	198	23	575	198
	Total	**16**	**400**	**136.5**	**75**	**1875**	**653.5**	**41**	**1025**	**345**	**132**	**3300**	**1135**

Source: PMMSY Unit, DoF

- : NA

Table 14.122 Integrated Ornamental fish unit (breeding and rearing for marine fish) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Tamil Nadu	1	30	7.2	2	60	18	-	-	-	3	90	25.2
	Total	**1**	**30**	**7.2**	**2**	**60**	**18**	**0.00**	**0.00**	**0.00**	**3**	**90**	**25.2**

Source: PMMSY Unit, DoF
- : NA

Table 14.123 Establishment of Fresh water Ornamental Fish Brood Bank (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Maharashtra	1	100	24	-	-	-	-	-	-	1	100	24
2	Uttar Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
3	West Bengal	-	-	-	-	-	-	2	200	60	2	200	60
	Total	**1**	**100**	**24**	**0.00**	**0.00**	**0.00**	**2**	**200**	**60**	**3**	**300**	**84**

Source: PMMSY Unit, DoF
- : NA

Table 14.124 Promotion of Recreational Fisheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Arunachal Pradesh	5	250	135	-	-	-	-	-	-	5	250	135
2	Assam	0.00	0.00	0.00	14	700	360	-	-	-	14	700	360
3	Bihar	0.00	0.00	0.00	5	250	78	5	250	72	10	500	150
4	Daman & Diu	3	150	70	-	-	-	-	-	-	3	150	70
5	Delhi	2	100	50.00	-	-	-	-	-	-	2	100	50
6	Himachal Pradesh	-	-	-	1	50	18	-	-	-	1	50	18
7	Karnataka	0.00	0.00	0.00	1	50	12	-	-	-	1	50	12
8	Kerala	-	-		-	-	-	5	250	60	5	250	60
9	Lakshadweep	3	150	90	-	-	-	-	-	-	3	150	90
10	Madhya Pradesh	-	-	-	-	-	-	2	100	30	2	100	30
11	Maharashtra	7	350	102	6	300	96	-	-	-	13	650	198
12	Meghalaya	0.00	0.00	0.00	4	200	108	-	-	-	4	200	108
13	Mizoram	-	-	-	2	100	54	1	50	27	3	150	81
14	Nagaland	0.00	0.00	0.00	5	250	135	5	250	135	10	500	270
15	Sikkim	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
16	Uttar Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
17	West Bengal	-	-	-	-	-	-	6	300	108	6	300	108
	Total	**20**	**1000**	**447**	**38**	**1900**	**861**	**24**	**1200**	**432**	**82**	**4100**	**1740**

Source: PMMSY Unit, DoF
- : NA

Table 14.125 Establishment of large RAS (with 8 tanks of minimum 90 m3/tank capacity 40 ton/crop)/Biofloc (50 tanks of 4m dia and 1.5 high) culture system. (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	4	200	60	-	-	-	30	1500	420	34	1700	480
2	Assam	10	500	243	4	200	99	-	-	-	14	700	342
3	Bihar	10	500	150	-	-	-	-	-	-	10	500	150
4	Chhattisgarh	1	50	18	2	100	36	5	250	78	8	400	132
5	Delhi	2	100	60	1	50	30	-	-	-	3	150	90
6	Goa	-	-	-	-	-	-	2	100	36	2	100	36
7	Gujarat	-	-	-	1	50	18	-	-	-	1	50	18
7	Haryana	20	1000	276	5	250	72	20	1000	330	45	2250	678
8	Himachal Pradesh	-	-	-	-	-	-	2	100	45	2	100	45
9	Jharkhand	16	800	264	3	150	48	9	450	156	28	1400	468
10	Karnataka	12	600	180	40	2000	660	100	5000	1740	152	7600	2580
11	Kerala	-	-	-	-	-	-	1	50	12	1	50	12
12	Madhya Pradesh	29	1450	486	30	1500	486	20	1000	342	79	3950	1314
13	Maharashtra	23	1150	396	20	1000	342	13	650	96	56	2800	834
14	Odisha	12	600	1060.00	5	250	78	20.00	1000.00	300	37	1850	1438
15	Punjab	3	150	36	2	100	30	3	150	36	8	400	102
16	Telangana	-	-	-	10	250	78	-	-	-	10	250	78
17	Rajasthan	2	100	30	-	-	-	-	-	-	2	100	30
18	Uttar Pradesh	181	9050	2880	22	1110	348	-	-	-	203	10160	3228
19	Uttarakhand	-	-	-	5	250	126	-	-	-	5	250	126
20	West Bengal	-	-	-	-	-	-	2	100	25.5	2	100	25.5
	Total	**325**	**16250**	**6139**	**150**	**7260**	**2451**	**227**	**11350**	**3616.5**	**702**	**34860**	**12206.5**

Source: PMMSY Unit, DoF

- : NA

Table 14.126 Establishment of large Biofloc (50 tanks of 4m dia and 1.5 high) culture system. (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	-	-	-	1	50	27	-	-	-	1	50	27
2	Bihar	30	1500	450	-	-	-	-	-	-	30	1500	450
3	Goa	-	-	-	1	50	12	-	-	-	1	50	12
4	Gujarat	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
5	Haryana	5	250	72	-	-	-	5	250	84	10	500	156
6	Jharkhand	10	500	168	2	100	30	4	200	66	16	800	264
7	Madhya Pradesh	-	-	-	14	700	216	2	100	36	16	800	252
8	Maharashtra	-	-	-	-	-	-	88	4400	1584	88	4400	1584
9	Punjab	1	50	12	1	50	18	-	-	-	2	100	30
10	Rajasthan	1	50	12	-	-	-	-	-	-	1	50	12
11	Uttarakhand	2	100	45	5	250	126	-	-	-	7	350	171
	Total	**49**	**2450**	**759**	**24**	**1200**	**429**	**99**	**4950**	**1770**	**172**	**8600**	**2958**

Source: PMMSY Unit, DoF

- : NA

Table 14.127 Establishment of Backyard mini RAS units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	-	-	-	-	-	-	20	10	3.12	20	10	3.12
2	Haryana	5	2.5	0.72	10	5	1.44	-	-	-	15	7.5	2.16
3	Himachal Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
4	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
5	Jharkhand	1	0.5	0.18	1	0.5	0.18	-	-	-	2	1	0.36
6	Karnataka	78	39	10.74	50	25	7.62	-	-	-	128	64	18.36
7	Kerala	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
8	Ladakh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
9	Madhya Pradesh	-	-	-	120	60	21.6	10	5	1.8	130	65	23.4
10	Maharashtra	3	1.5	0.54	3	1.5	0.36	-	-	-	6	3	0.9
11	Meghalaya	1	0.5	0.27	-	-	-	-	-	-	1	0.5	0.27
12	Uttar Pradesh	2	1	0.36	-	-	-	7073	3536.5	1143.96	7075	3537.5	1144.32
13	West Bengal	-	-	-	-	-	-	1	0.5	0.12	1	0.5	0.12
	Total	**90**	**45**	**12.81**	**184**	**92**	**31.2**	**7104**	**3552**	**1149**	**7378**	**3689**	**1193.01**

Source: PMMSY Unit, DoF
- : NA

Table 14.128 Installation of Cages in Reservoirs (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	200	600	172.8	100	300	81.36	-	-	-	300	900	254.16
2	Assam	150	450	232.2	0.00	0.00	0.00	-	-	-	150	450	232.2
3	Bihar	200	600	174.24	200	600	174.24	-	-	-	400	1200	348.48
4	Chhattisgarh	1000	3000	1080	1000	3000	936	3500	10500	3440	5500	16500	5456
5	Goa	0.00	0.00	0.00	25	75	21.6	-	-	-	25	75	21.6
6	Gujarat	222	666	185.76	5500	16500	5760	3000	9000	3240	8722	26166	9185.76
7	Jharkhand	365	1095	312.84	1913	5739	2009.52	1378	4134	1447.2	3656	10968	3769.56
8	Karnataka	100	300	95.04	100	300	91.8	200	600	198	400	1200	384.84
9	Kerala	0.00	0.00	0.00	500	1500	450	-	-	-	500	1500	450
10	Madhya Pradesh	223	669	216.36	368	1104	356.4	-	-	-	591	1773	572.76
11	Maharashtra	2058	6174	2109.96	1545	4635	1592.64	9558	28674	10154.16	13161	39483	13856.76
12	Manipur	100	300	162	100	300	162	156	468	252.72	356	1068	576.72
13	Meghalaya	-	-	-	-	-	-	10	30	16.2	10	30	16.2
14	Mizoram	-	-	-	100	300	162	-	-	-	100	300	162
15	Odisha	500	1500	450	1800	5400	1620	-	-	-	2300	6900	2070
16	Rajasthan	144	432	136.08	72	216	51.84	90	270	97.2	306	918	285.12
17	Telangana	150	450	108	600	1800	432	-	-	-	750	2250	540
18	Tripura	-	-	-	-	-	-	1584	2280.96	1231.72	1584	2280.96	1231.72
19	Uttar Pradesh	-	-	-	-	-	-	131	393	121.32	131	393	121.32
20	Uttarakhand	0.00	0.00	0.00	100	300	108	-	-	-	100	300	108
	Total	**5412**	**16236**	**5435.28**	**14023**	**42069**	**14009.4**	**19607**	**56349.96**	**20198.52**	**39042**	**114654.96**	**39643.2**

Source: PMMSY Unit, DoF
- : NA

Table 14.129 Pen culture in open water bodies (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	60	180	86.4	60	180	88.02	90	270	132.84	210	630	307.26
2	Karnataka	5.2	15.6	4.46	12	36	10.44	-	-	-	17.2	51.6	14.9
3	Kerala	-	-	-	-	-	-	31	93	22.32	31	93	22.32
4	Madhya Pradesh	0.00	0.00	0.00	36	108	25.92	1	3	1.08	37	111	27
5	Manipur	-	-	-	-	-	-	35	105	45.9	35	105	45.9
6	Meghalaya	-	-	-	-	-	-	3	9	4.86	3	9	4.86
7	Uttar Pradesh	7.5	22.5	5.616	18	54	12.96	1	3	0.72	26.5	79.5	19.296
8	West Bengal	-	-	-	-	-	-	17	51	12.96	17	51	12.96
	Total	**72.7**	**218.1**	**96.476**	**126**	**378**	**137.34**	**178**	**534**	**220.68**	**376.7**	**1130.1**	**454.496**

Source: PMMSY Unit, DoF
- : NA

Table 14.130 Modernization of Cold storage /Ice Plant (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	A&N Islands	-	-	-	7	350	84	1	50	20	8	400	104
2	Gujarat	6	300	72	7	350	84	-	-	-	13	650	156
3	Goa	2	100	24	-	-	-	-	-	-	2	100	24
4	Karnataka	10	500	144	15	750	216	7	350	114	32	1600	474
5	Maharashtra	1	50	12	2	100	24	-	-	-	3	150	36
6	Meghalaya	-	-	-	-	-	-	1	50	27	1	50	27
7	Odisha	4	200	60	4	200	60	-	-	-	8	400	120
	Total	**23**	**1150**	**312**	**35**	**1750**	**468**	**9**	**450**	**161**	**67**	**3350**	**941**

Source: PMMSY Unit, DoF
- : NA

Table 14. 131 Refrigerated vehicles (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	25	10	1	25	10	1	25	10	3	75	30
2	Arunachal Pradesh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
3	Assam	10	250	117	-	-	-	-	-	-	10	250	117
4	Bihar	10	250	72	-	-	-	-	-	-	10	250	72
5	Chhattisgarh	2	50	12	2	50	12	5	125	36	9	225	60
6	Delhi	1	25	15	-	-	-	-	-	-	1	25	15
7	Gujarat	0.00	0.00	0.00	20	500	168	-	-	-	20	500	168
8	Goa	4	100	30	-	-	-	2	50	15	6	150	45
9	Haryana	1	25	9	2	50	15	2	50	15	5	125	39
10	Himachal Pradesh	1	25	9	-	-	-	-	-	-	1	25	9
11	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	0	0	0
12	Jharkhand	0.00	0.00	0.00	7	175	57	7	175	60	14	350	117
13	Karnataka	6	150	45	6	150	45	14	350	120	26	650	210
14	Kerala	-	-	-	-	-	-	5	125	30	5	125	30
15	Madhya Pradesh	0.00	0.00	0.00	3	75	27	6	150	48	9	225	75
16	Maharashtra	16	400	135	29	725	237	35	875	312	80	2000	684
17	Nagaland	2	50	27	-	-	-	-	-	-	2	50	27
18	Odisha	10	250	75	-	-	-	-	-	-	10	250	75
19	Puducherry	2	50	30	-	-	-	4	100	50	6	150	80
20	Punjab	2	50	12	2	50	12	2	50	12	6	150	36
21	Rajasthan	3	75	24	-	-	-	-	-	-	3	75	24
22	Tamil Nadu	-	-	-	6	150	54	-	-	-	6	150	54
23	Uttarakhand	-	-	-	-	-	-	4	100	45	4	100	45
24	West Bengal	-	-	-	-	-	-	3	75	27	3	75	27
	Total	**71**	**1775**	**622**	**78**	**1950**	**637**	**90**	**2250**	**780**	**239**	**5975**	**2039**

Source: PMMSY Unit, DoF

- : NA

Table 14.132 Insulated vehicles (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	2	30	15	2	40	20	-	-	-	4	70	35
2	Andhra Pradesh	50	1000	278.4	150	3000	873.6	-	-	-	200	4000	1152
3	Assam	5	100	46.8	-	-	-	-	-	-	5	100	46.8
4	Bihar	5	100	28.8	-	-	-	-	-	-	5	100	28.8
5	Gujarat	5	100	36	24	480	115.2	-	-	-	29	580	151.2
6	Goa	10	200	60	4	80	24	10	200	67.2	24	480	151.2
7	Himachal Pradesh	7	140	61.2	-	-	-	-	-	-	7	140	61.2
8	Jharkhand	0.00	0.00	0.00	10	200	62.4	2	40	14.4	12	240	76.8
9	Karnataka	10	200	55.2	45	900	266.4	50	1000	331.2	105	2100	652.8
10	Kerala	-	-	-	-	-	-	8	160	38.4	8	160	38.4
11	Ladakh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
11	Madhya Pradesh	7	140	36	11	220	62.4	15	300	93.6	33	660	192
12	Maharashtra	58	1160	379.2	36	720	216	97	1940	696	191	3820	1291.2
13	Manipur	-	-	-	5	100	46.8	-	-	-	5	100	46.8
14	Meghalaya	4	160	108	3	60	32.4	-	-	-	7	220	140.4
15	Mizoram	-	-	-	5	100	54	-	-	-	5	100	54
16	Nagaland	-	-	-	-	-	-	8	160	86.4	8	160	86.4
17	Odisha	35	700	208.8	50	1000	300	30.00	600.00	180	115	2300	688.8
18	Puducherry	4	80	48	-	-	-	9	180	92	13	260	140
19	Punjab	5	100	24	1	20	4.8	3	60	19.2	9	180	48
20	Rajasthan	3	60	19.2	-	-	-	-	-	-	3	60	19.2
21	Tamil Nadu	20	400	96	62	1240	386.4	40	800	228	122	2440	710.4
22	Telangana	10	200	57.6	10	200	57.6	-	-	-	20	400	115.2
23	Uttar Pradesh	16	320	103.2	30	600	182.4	-	-	-	46	920	285.6
24	West Bengal	-	-	-	-	-	-	33	660	206.4	33	660	206.4
	Total	**256**	**5190**	**1661.4**	**448**	**8960**	**2704.4**	**305**	**6100**	**2052.8**	**1009**	**20250**	**6418.6**

Source: PMMSY Unit, DoF

- : NA

Table 14.133 Live fish vending Centres (In Rs. Lakhs)

Sl.N	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	125	2500	720	120	2400	688.8	-	-	-	245	4900	1408.8
2	Assam	10	200	90	-	-	-	-	-	-	10	200	90
3	Bihar	6	120	36	15	300	88.8	-	-	-	21	420	124.8
4	Chhattisgarh	25	500	120	10	200	48	15	300	72	50	1000	240
5	Goa	-	-	-	-	-	-	1	20	4.8	1	20	4.8
6	Gujarat	-	-	-	3	60	14.4	-	-	-	3	60	14.4
7	Himachal Pradesh	-	-	-	-	-	-	-	-	-	0	0	0
8	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	0	0	0
9	Jharkhand	3	60	21.6	10	200	64.8	5	100	33.6	18	360	120
10	Karnataka	5	100	31.2	15	300	93.6	16	320	108	36	720	232.8
11	Kerala	-	-	-	-	-	-	72	1440	345.6	72	1440	345.6
12	Madhya Pradesh	-	-	-	-	-	-	2	40	14.4	2	40	14.4
13	Maharashtra	14	280	91.2	24	480	160.8	104	2080	748.8	142	2840	1000.8
14	Manipur	-	-	-	-	-	-	-	-	-	0	0	0
15	Mizoram	-	-	-	-	-	-	1	20	10.8	1	20	10.8
16	Nagaland	-	-	-	5	100	54	-	-	-	5	100	54
17	Odisha	-	-	-	5	100	31.2	-	-	-	5	100	31.2
18	Puducherry	3	60	32	-	-	-	-	-	-	3	60	32
19	Punjab	-	-	-	3	60	19.2	-	-	-	3	60	19.2
20	Sikkim	-	-	-	5	100	54	-	-	-	5	100	54
21	Tamil Nadu	1	20	4.8	2	40	12	5	100	28.8	8	160	45.6
22	Telangana	-	-	-	20	400	115.2	-	-	-	20	400	115.2
23	Tripura	3	60	32.4	-	-	-	-	-	-	3	60	32.4
24	Uttar Pradesh	35	700	220.8	20	400	124.8	-	-	-	55	1100	345.6
25	West Bengal	-	-	-	-	-	-	26	520	184.8	26	520	184.8
Total		230	4600	1400	257	5140	1569.6	247	4940	1551.6	734	14680	4521.2

Source: PMMSY Unit, DoF
- : NA

Table 14.134 Motor cycle with Ice Box (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	33	24.75	12	10	7.5	3.6	40	30	14.25	83	62.25	29.85
2	Andhra Pradesh	500	375	108	300	225	64.8	-	-	-	800	600	172.8
3	Assam	100	75	36.045	100	75	35.51	-	-	-	200	150	71.555
4	Bihar	300	225	65.34	100	75	21.78	-	-	-	400	300	87.12
5	Chhattisgarh	300	225	54	50	37.5	9	100	75	19.89	450	337.5	82.89
6	Daman & Diu	10	7.5	4.5	-	-	-	-	-	-	10	7.5	4.5
7	Delhi	3	2.25	1.2	-	-	-	-	-	-	3	2.25	1.2
8	Goa	10	7.5	2.25	10	7.5	2.25	10	7.5	1.98	30	22.5	6.48
9	Gujarat	0.00	0.00	0.00	250	187.5	58.5	-	-	-	250	187.5	58.5
10	Haryana	40	30	8.28	10	7.5	2.25	57	42.75	13.5	107	80.25	24.03
11	Himachal Pradesh	100	75	35.1	82	61.5	27	85	63.75	29.57	267	200.25	91.67
12	Jammu and Kashmir	0.00	0.00	0.00	30	22.5	10.5	-	-	-	30	22.5	10.5
13	Jharkhand	100	75	23.4	100	75	24.03	150	112.5	36.9	350	262.5	84.33
14	Karnataka	100	75	20.88	159	119.25	36.72	150	112.5	38.5	409	306.75	96.1
15	Kerala	-	-	-	-	-	-	90	67.5	16.2	90	67.5	16.2
16	Madhya Pradesh	729	546.75	160.2	500	375	116.01	700	525	164.43	1929	1446.75	440.64
17	Maharashtra	0.00	0.00	0.00	86	64.5	18.9	114	85.5	26.28	200	150	45.18
18	Ladakh	20	15	9	-	-	-	-	-	-	20	15	9
19	Meghalaya	20	15	8.1	3	2.25	1.22	-	-	-	23	17.25	9.32
20	Nagaland	2	1.5	0.81	-	-	-	20	15	8.1	22	16.5	8.91
21	Odisha	100	75	22.5	100	75	22.77	200	150	45	400	300	90.27
22	Puducherry	20	15	8.25	-	-	-	20	15	6.9	40	30	15.15
23	Punjab	80	60	14.4	50	37.5	9.36	-	-	-	130	97.5	23.76
24	Sikkim	-	-	-	10	7.5	4.05	-	-	-	10	7.5	4.05
25	Tamil Nadu	500	375	94.5	225	168.75	46.62	-	-	-	725	543.75	141.12
26	Tripura	50	37.5	17.01	24	18	9.18	100	75	35.51	174	130.5	61.7
27	Uttar Pradesh	50	37.5	10.53	100	75	20.34	-	-	-	150	112.5	30.87
28	Uttarakhand	32	24	10.4	10	7.5	3.65	6	4.5	2.16	48	36	16.21
29	West Bengal	-	-	-	-	-	-	1021	765.75	234.54	1021	765.75	234.54
	Total	**3199**	**2399.25**	**726.695**	**2309**	**1731.75**	**548.04**	**2863**	**2147.25**	**693.71**	**8371**	**6278.25**	**1968.445**

Source: PMMSY Unit, DoF

- : NA

Table 14.135 Cycle with Ice Boxes (In Rs. Lakhs)

Sl.N	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	500	50	23.94	437	43.7	20.74	-	-	-	937	93.7	44.68
2	Bihar	500	50	14.52	500	50	14.52	-	-	-	1000	100	29.04
3	Delhi	5	0.5	0.28	-	-	-	-	-	-	5	0.5	0.28
4	Haryana	100	10	2.76	110	11	3.36	-	-	-	210	21	6.12
5	Jharkhand	253	25.3	7.68	119	11.9	3.76	-	-	-	372	37.2	11.44
6	Karnataka	100	10	2.74	34	3.4	1.12	-	-	-	134	13.4	3.86
7	Kerala	-	-	-	-	-	-	6	0.6	0.14	6	0.6	0.14
8	Madhya Pradesh	190	19	5.22	114	11.4	3.59	-	-	-	304	30.4	8.81
9	Punjab	20	2	0.48	79	7.9	1.9	-	-	-	99	9.9	2.38
10	Tripura	200	20	9.36	43	4.3	2.11	55	5.5	2.61	298	29.8	14.08
11	Uttar Pradesh	421	42.1	13.452	57	5.7	1.51	3134	313.4	88.46	3612	361.2	103.422
12	West Bengal	-	-	-	-	-	-	1675	167.5	50.61	1675	167.5	50.61
Total		2289	228.9	80.432	1493	149.3	52.61	4870	487	141.82	8652	865.2	274.862

Source: PMMSY Unit, DoF

- : NA

Table 14.136 Three wheeler with Ice Box including e-rickshaws for fish vending (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	10	30	15	10	30	15	-	-	-	20	60	30
2	Andhra Pradesh	250	750	216	150	450	129.6	-	-	-	400	1200	346
3	Arunachal Pradesh	-	-	-	-	-	-	12	36	19.44	12	36	19
4	Assam	135	270	128.16	50	150	69.12	-	-	-	185	420	197
5	Bihar	100	300	87.12	50	150	43.56	-	-	-	150	450	131
6	Chhattisgarh	10	30	7.2	10	30	7.2	15	45	12.6	35	105	27
7	Daman & Diu	5	15	9	-	-	-	-	-	-	5	15	9
8	Delhi	2	6	3	-	-	-	-	-	-	2	6	3
9	Goa	10	30	9	10	30	9	10	30	9	30	90	27
10	Gujarat	0	0	0	3	9	2.16	-	-	-	3	9	2
11	Haryana	10	30	8.28	10	30	9	51	153	47.88	71	213	65
12	Himachal Pradesh	10	30	14.04	9	27	11.34	7	21	10.26	26	78	36
13	Jammu and Kashmir	0.00	0.00	0.00	25	75	33	-	-	-	25	75	33
14	Jharkhand	233	699	223.92	100	300	96.12	-	-	-	333	999	320
15	Karnataka	25	75	21.6	60	180	55.08	40	120	41.76	125	375	118
16	Kerala	-	-	-	-	-	-	69	207	49.68	69	207	50
17	Lakshadweep	14	42	25.2	-	-	-	10	30	18	24	72	43
18	Madhya Pradesh	64	192	56.52	101	303	92.52	133	399	126.36	298	894	275
19	Maharashtra	30	90	29.88	28	84	28.08	-	-	-	58	174	58
20	Manipur	-	-	-	-	-	-	-	-	-	0	0	0
21	Meghalaya	10	30	16.2	10	30	16.2	-	-	-	20	60	32
22	Odisha	50	150	45	70	210	63	100	300	86.4	220	660	194
23	Punjab	25	75	18	5	15	3.96	-	-	-	30	90	22
24	Rajasthan	3	9	2.88	-	-	-	-	-	-	3	9	3
25	Tamil Nadu	15	45	12.6	40	120	31.32	5	15	4.68	60	180	49
26	Tripura	25	75	35.1	20	60	30.24	50	150	71.28	95	285	137
27	Telangana	200	600	198	75	225	70.2	-	-	-	275	825	268
28	Uttar Pradesh	29	87	25.2	40	120	31.32	-	-	-	69	207	57
29	Uttarakhand	1	3	1.62	1	3	1.08	4	12	4.32	6	18	7
30	West Bengal	-	-	-	-	-	-	255	990.25	227.26	255	990	227
	Total	**1266**	**3663**	**1208.52**	**877**	**2631**	**848**	**761**	**2508**	**729**	**2904**	**8802**	**2786**

Source: PMMSY Unit, DoF

- : NA

Table 14.137 Fish Feed Mills (medium) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	-	-	-	-	-	-	3	300	162	3	300	162
2	Bihar	5	500	120	-	-	-	-	-	-	5	500	120
3	Chhattisgarh	-	-	-	2	200	72	1	100	36	3	300	108
4	Haryana	-	-	-	1	100	36	-	-	-	1	100	36
5	Jharkhand	-	-	-	1	100	36	-	-	-	1	100	36
6	Madhya Pradesh	1	100	36	1	100	36	9	900	312	11	1100	384
7	Maharashtra	-	-	-	8	800	252	13	1300	468	21	2100	720
8	Odisha	-	-	-	6	600	180	-	-	-	6	600	180
9	Uttar Pradesh	14	1400	456	-	-	-	20	2000	624	34	3400	1080
10	Uttarakhand	-	-	-	-	-	-	-	-	-	0	0	0
11	West Bengal	-	-	-	-	-	-	14	1400	492	14	1400	492
	Total	**20**	**2000**	**612**	**19**	**1900**	**612**	**60**	**6000**	**2094**	**99**	**9900**	**3318**

Source: PMMSY Unit, DoF

- : NA

Table 14.138 Fish Feed Mills (large) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	-	-	-	-	-	-	1	200	108	1	200	108
2	Bihar	4	800	240	10	2000	600	-	-	-	14	2800	840
3	Chhattisgarh	0.00	0.00	0.00	1	200	72	-	-	-	1	200	72
4	Haryana	2	400	120	1	200	48	-	-	-	3	600	168
5	Himachal Pradesh	1	200	72	-	-	-	-	-	-	1	200	72
6	Jharkhand	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
7	Madhya Pradesh	1	200	72	1	200	72	2	400	144	4	800	288
8	Maharashtra	0.00	0.00	0.00	2	400	144	1	200	72	3	600	216
9	Tamil Nadu	-	-	-	-	-	-	1	200	48	1	200	48
10	Uttar Pradesh	6	1200	408	-	-	-	11	2200	720	17	3400	1128
11	West Bengal	-	-	-		-	-	7	1400	456	7	1400	456
	Total	**14**	**2800**	**912**	**15**	**3000**	**936**	**23**	**4600**	**1548**	**52**	**10400**	**3396**

Source: PMMSY Unit, DoF
- : NA

Table 14.139 Fish Feed Plants (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Assam	4	2600	1053	-	-	-	-	-	-	4	2600	1053
2	Bihar	2	1300	390	2	1300	390	-	-	-	4	2600	780
3	Chhattisgarh	1	650	156	-	-	-	-	-	-	1	650	156
4	Gujarat	-	-	-	1	650	234	-	-	-	1	650	234
5	Jharkhand	1	650	156	-	-	-	-	-	-	1	650	156
6	Odisha	2	1300	390	3	1950	546	-	-	-	5	3250	936
7	Uttar Pradesh	4	2600	780	-	-	-	4	2600	780	8	5200	1560
8	West Bengal	-	-	-	-	-	-	6	3900	1248	6	3900	1248
	Total	**14**	**9100**	**2925**	**6**	**3900**	**1170**	**10**	**6500**	**2028**	**30**	**19500**	**6123**

Source: PMMSY Unit, DoF
- : NA

Table 14.140 Construction of fish retail markets including ornamental fish/aquarium markets. (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	25	2500	720	125	9500	2568	-	-	-	150	12000	3288
2	Goa	4	400	96	0.00	0.00	0.00	-	-	-	4	400	96
3	Karnataka	0.00	0.00	0.00	1	100	36	-	-	-	1	100	36
4	Kerala	-	-	-	-	-	-	5	500	120	5	500	120
5	Madhya Pradesh	1	100	24	0.00	0.00	0.00	-	-	-	1	100	24
6	Maharashtra	1	100	36	0.00	0.00	0.00	-	-	-	1	100	36
7	Manipur	-	-	-	-	-	-	2	200	90	2	200	90
8	Meghalaya	-	-	-	-	-	-	1	100	54	1	100	54
9	Odisha	7	700	216	5	500	156	-	-	-	12	1200	372
10	Punjab	0.00	0.00	0.00	2	200	48	-	-	-	2	200	48
11	Tamil Nadu	-	-	-	-	-	-	3	300	72	3	300	72
12	West Bengal	-	-	-	-	-	-	6	600	216	6	600	216
	Total	**38**	**3800**	**1092**	**133**	**10300**	**2808**	**17**	**1700**	**552**	**188**	**15800**	**4452**

Source: PMMSY Unit, DoF
- : NA

Table 14.141 Fish Value Add Enterprises Units (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	50	20	4	200	100	-	-	-	5	250	120
2	Andhra Pradesh	25	1250	360	-	-	-	-	-	-	25	1250	360
3	Daman & Diu	3	150	70	-	-	-	-	-	-	3	150	70
4	Goa	1	50	12	-	-	-	1	80	28.8	2	130	40.8
5	Himachal Pradesh	-	-	-	-	-	-	1	50	27	1	50	27
6	Karnataka	0.00	0.00	0.00	2	100	30	1	50	18	3	150	48
7	Kerala	-	-	-	-	-	-	10	500	120	10	500	120
8	Ladakh	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
9	Lakshadweep	5	250	150	4	200	120	4	200	120	13	650	390
10	Madhya Pradesh	-	-	-	-	-	-	2	100	36	2	100	36
11	Maharashtra	3	150	54	8	400	144	2	100	36	13	650	234
12	Manipur	-	-	-	-	-	-	10	500	225	10	500	225
13	Meghalaya	2	100	54	-	-	-	2	60.88	32.88	4	160.88	86.88
14	Puducherry	2	100	60	-	-	-	1	50	30	3	150	90
15	Tripura	-	-	-	-	-	-	1	50	27	1	50	27
16	West Bengal	-	-	-	-	-	-	2	100	36	2	100	36
	Total	**42**	**2100**	**780**	**18**	**900**	**394**	**37**	**1840.88**	**736.68**	**97**	**4840.88**	**1910.68**

Source: PMMSY Unit, DoF

- : NA

Table 14.142 E-platform for e-trading and e-marketing of fish and fisheries products (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	1	100	24	-	-	-	-	-	-	1	100	24
2	Bihar	1	10	2.4	-	-	-	-	-	-	1	10	2.4
3	Jharkhand	1	25	9	-	-	-	-	-	-	1	25	9
4	Maharashtra	-	-	-	1	5	1.8	-	-	-	1	5	1.8
	Total	**3**	**135**	**35.4**	**1**	**5**	**1.8**	**0.00**	**0.00**	**0.00**	**4**	**140**	**37.2**

Source: PMMSY Unit, DoF

- : NA

Table 14.143 Support for acquisition of Deep sea fishing vessels for traditional fishermen (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	1	120	48	4	480	216	2	240	120	7	840	384
2	Andhra Pradesh	20	2400	604.8	30	3600	921.6	-	-	-	50	6000	1526.4
3	Goa	20	2400	720	-	-	-	-	-	-	20	2400	720
4	Gujarat	42	5040	1324.8	50	6000	1440	50	6000	1656	142	17040	4420.8
5	Karnataka	4	480	144	10	1200	374.4	100	12000	3024	114	13680	3542.4
6	Kerala	10	1200	288	-	-	-	-	-	-	10	1200	288
7	Lakshadweep	10	1200	720	-	-	-	-	-	-	10	1200	720
8	Maharashtra	0.00	0.00	0.00	7	840	288	40	4800	1526.4	47	5640	1814.4
9	Odisha	5	600	172.8	-	-	-	-	-	-	5	600	172.8
10	Puducherry	2	240	144	-	-	-	3	360	168	5	600	312
11	Tamil Nadu	0.00	0.00	0.00	50	6000	1728	-	-	-	50	6000	1728
	Total	**114**	**13680**	**4166.4**	**151**	**18120**	**4968**	**195**	**23400**	**6494.4**	**460**	**55200**	**15628.8**

Source: PMMSY Unit, DoF

- : NA

Table 14.144 Establishment of Bio-toilets in mechanised fishing vessels (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman and Nicobar	5	2.5	1	3	1.5	0.7	-	-	-	8	4	1.7
2	Andhra Pradesh	300	150	36.6	1000	500	123	-	-	-	1300	650	159.6
3	Gujarat	0.00	0.00	0.00	350	175	42	-	-	-	350	175	42
4	Goa	100	50	15	-	-	-	-	-	-	100	50	15
5	Karnataka	100	50	14.64	-	-	-	-	-	-	100	50	14.64
6	Kerala	-	-	-	-	-	-	5	2.5	0.6	5	2.5	0.6
7	Odisha	10	5	1.5	-	-	-	-	-	-	10	5	1.5
8	Puducherry	240	120	50.5	-	-	-	40	20	9	280	140	59.5
9	Tamil Nadu	-	-	-	100	50	12	-	-	-	100	50	12
10	West bengal	-	-	-	-	-	-	2	1	0.36	2	1	0.36
	Total	**755**	**377.5**	**119.24**	**1453**	**726.5**	**177.7**	**47**	**23.5**	**9.96**	**2255**	**1127.5**	**306.9**

Source: PMMSY Unit, DoF

- : NA

Table 14.145 Establishment of Disease diagnostic and quality testing labs (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	2	50	15	-	-	-	-	-	-	2	50	15
2	Arunachal Pradesh	-	-	-	-	-	-	1	25	13.5	1	25	13.5
3	Assam	-	-	-	1	25	9	-	-	-	1	25	9
4	Delhi	1	25	15	-	-	-	-	-	-	1	25	15
5	Gujarat	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
5	Jharkhand	-	-	-	-	-	-	1	25	9	1	25	9
6	Ladakh	-	-	-	-	-	-	1	30	30	1	30	30
7	Madhya Pradesh	0.00	0.00	0.00	2	50	12	-	-	-	2	50	12
8	Maharashtra	-	-	-	1	25	6	-	-	-	1	25	6
9	Mizoram	-	-	-	-	-	-	1	25	13.5	1	25	13.5
10	Odisha	4	100	30	-	-	-	-	-	-	4	100	30
11	Tamil Nadu	-	-	-	-	-	-	-	-	-	0	0	0
	Total	**7**	**175**	**60**	**4**	**100**	**27**	**4**	**105**	**66**	**15**	**380**	**153**

Source: PMMSY Unit, DoF

- : NA

Table 14.146 Disease diagnostic and quality testing Mobile labs/clinics (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	8	280	79.8	0.00	0.00	0.00	-	-	-	8	280	79.8
2	Kerala	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
3	Maharashtra	1	35	8.4	0.00	0.00	0.00	-	-	-	1	35	8.4
4	Manipur	-	-	-	-	-	-	-	-	-	0.00	0.00	0.00
5	Odisha	4	140	42	0.00	0.00	0.00	-	-	-	4	140	42
6	Punjab	0.00	0.00	0.00	1	35	8.4	-	-	-	1	35	8.4
7	Uttar Pradesh	2	70	21	2	70	21	1	35	12.6	5	175	54.6
8	West Bengal	-	-	-	-	-	-	2	70	25.2	2	70	25.2
	Total	**15**	**525**	**151.2**	**3**	**105**	**29.4**	**3**	**105**	**37.8**	**21**	**735**	**218.4**

Source: PMMSY Unit, DoF

- : NA

Table 14.147 Support for providing safety kits for fishermen of Traditional and motorized fishing vessels (other than Communication and/or Tracking Device mentioned above) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Karnataka	655	198.36	132.24	126	126.00	33.36	-	-	-	781	324.36	165.60
2	Lakshadweep	300	300.00	180.00	0.00	0.00	0.00	-	-	-	300	300.00	180.00
3	Maharashtra	3	3.00	0.84	0.00	0.00	0.00	-	-	-	3	3.00	0.84
4	Puducherry	200	200.00	83.00	0.00	0.00	0.00	320.00	320.00	138.00	520	520.00	221.00
5	West Bengal	-	-	-	-	-	-	11.00	11.00	3.60	11	11.00	3.60
	Total	**1158**	**701.36**	**396.08**	**126**	**126.00**	**33.36**	**331**	**331**	**141.6**	**1615**	**1158.36**	**571.04**

Source: PMMSY Unit, DoF

- : NA

Table 14.148 Providing boats (replacement) and nets for traditional fishermen (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	450	2250	570	741	3705	889.2	1000	5000	1200	2191	10955	2659.2
2	Assam	61	305	144	-	-	-	50	33.5	17	111	338.5	161
3	Chhattisgarh	20	100	24	-	-	-	-	-	-	20	100	24
4	Goa	20	100	27	6	30	10.8	18	90	24	44	220	61.8
5	Gujarat	-	-	-	-	-	-	250	1250	330	250	1250	330
6	Himachal Pradesh	500	1000	450	-	-	-	350	175	82.8	850	1175	532.8
7	Jammu and Kashmir	25	125	50	-	-	-	-	-	-	25	125	50
8	Jharkhand	20	100	31.2	-	-	-	-	-	-	20	100	31.2
9	Karnataka	100	500	147	43	215	57	-	-	-	143	715	204
10	Kerala	-	-	-	100	500	120	100	500	120	200	1000	240
11	Lakshadweep	100	500	300	-	-	-	-	-	-	100	500	300
12	Maharashtra	9	45	15	55	275	79.2	13	65	22.2	77	385	116.4
13	Manipur	-	-	-	-	-	-	10	11.7	5.27	10	11.7	5.27
14	Nagaland	-	-	-	-	-	-	5	5.85	3.16	5	5.85	3.16
15	Odisha	200	1000	300	100	500	150	260	228	73.44	560	1728	523.44
16	Puducherry	130	650	285	-	-	-	50	250	110	180	900	395
17	Tamil Nadu	200	1000	240	300	1500	390	-	-	-	500	2500	630
18	Tripura	16	80	43.2	13	65	35.1	-	-	-	29	145	78.3
19	West Bengal	-	-	-	-	-	-	160	800	277.8	160	800	277.8
	Total	**1851**	**7755**	**2626.4**	**1358**	**6790**	**1731.3**	**2266**	**8409.05**	**2265.67**	**5475**	**22954.05**	**6623.37**

Source: PMMSY Unit, DoF

- : NA

Table 14.149 Livelihood and nutritional support for socio-economically backward active traditional fishers' families for conservation of fisheries resources during fishing ban/lean period. (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andaman & Nicobar	0.00	0.00	0.00	1000	45	30	0.00	0.00	0.00	1000	45	30
2	Andhra Pradesh	0.00	0.00	0.00	98360	4426.2	1475.4	98360	4426.2	1475.4	196720	8852.4	2950.8
3	Assam	20000	900	480	21000	945	504	21000	945	504	62000	2790	1488
4	Bihar	0.00	0.00	0.00	50000	2250	750	0.00	0.00	0.00	50000	2250	750
5	Chhattisgarh	8000	360	120	8000	360	120	10000	450	150	26000	1170	390
6	Gujarat	0.00	0.00	0.00	30000	1350	450	0.00	0.00	0.00	30000	1350	450
7	Himachal Pradesh	3557	160.07	85.37	3557	160.065	85.368	4032	181.45	96.77	11146	501.585	267.508
8	Jammu and Kashmir	17396	782.820	521.88	16286	732.87	488.58	16286	732.87	488.6	49968	2248.56	1499.06
9	Karnataka	24003	1080.135	360.05	20414	918.63	306.21	24003	1080.14	360.05	68420	3078.905	1026.31
10	Kerala	178265	7110	2673.975	179316	8069.22	2689.74	183540	8259.3	2753.1	541121	23438.52	8116.815
11	Lakshadweep	0.00	0.00	0.00	2500	112.5	75	0.00	0.00	0.00	2500	112.5	75
12	Madhya Pradesh	10385	467.325	155.775	11237	505.67	168.56	10506	472.77	157.59	32128	1445.765	481.925
13	Maharashtra	0.00	0.00	0.00	0.00	0.00	0.00	2000	90	30	2000	90	30
14	Mizoram	6283	282.735	150.79	6283	282.735	150.792	0.00	0.00	0.00	12566	565.47	301.582
15	Odisha	12000	540	180	20000	900	299.97	0.00	0.00	0.00	32000	1440	479.97
16	Puducherry	28767	1294.52	863.01	28767	1294.515	863.01	24800	1116	744	82334	3705.035	2470.02
17	Rajasthan	103	3.09	1.11	2200	99	33	0.00	0.00	0.00	2303	102.09	34.11
18	Sikkim	0.00	0.00	0.00	200	9	4.8	60	2.7	1.44	260	11.7	6.24
19	Tamil Nadu	216747	9753.615	3251.205	170000	7650	2550	190365	8566.43	2855.48	577112	25970.045	8656.685
20	Telangana	2000	90	30	4000	180	60	0.00	0.00	0.00	6000	270	90
21	Tripura	2239	67.17	53.74	4142	186.39	99.408	4246	191.07	101.9	10627	444.63	255.048
22	Uttarakhand	0.00	0.00	0.00	200	9	4.8	0.00	0.00	0.00	200	9	4.8
	Total	**529745**	**22891.48**	**8926.905**	**677462**	**30485.795**	**11208.638**	**589198**	**26513.93**	**9718.33**	**1796405**	**79891.205**	**29853.873**

Source: PMMSY Unit, DoF

Table 14.150 Non-Beneficiary oriented activities under CSS of PMMSY

Establishment of Brood Banks (including seed banks for seaweeds) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	1	500	300	-	-	-	-	-	-	1	500	300
2	Assam	-	-	-	-	-	-	2	1000	900	2	1000	900
3	Bihar	1	500	300	-	-	-	-	-	-	1	500	300
4	Daman & Diu	1	120	120	-	-	-	-	-	-	1	120	120
5	Kerala	1	500	300	-	-	-	-	-	-	1	500	300
6	Maharashtra	1	500	300	-	-	-	-	-	-	1	500	300
7	Mizoram	1	415.6	374.04	-	-	-	-	-	-	1	415.6	374.04
8	Nagaland	1	500	450	-	-	-	-	-	-	1	500	450
9	Odisha	-	-	-	-	-	-	1	500	300	1	500	300
10	Sikkim	-	-	-	-	-	-	1	500	450	1	500	450
11	Tamil Nadu	2-	1000	600	-	-	-	-	-	-	2	1000	600
	Total	**9**	**4035.6**	**2744.04**	**0.00**	**0.00**	**0.00**	**4**	**2000**	**1650**	**13**	**6035.6**	**4394.04**

Source: PMMSY Unit, DoF

- : NA

Table 14.151 Multipurpose Support Services – Sagar Mitra (performance based incentives along with requisite IT/Communication support like Tablet/mobile telephony etc. would be provided to Sagar Mitras) (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Andhra Pradesh	350	315	189	-	556.2	333.72	-	630	378	350	1501.2	900.72
2	Andaman & Nicobar Islands	0.00	0.00	0.00	70	126	126	-	126	126	70	252	252
3	Daman & Diu	6	2.7	2.7	-	-	-	-	-	-	6	2.7	2.7
4	Goa	20	18	10.8	18	68.4	41.04	-	68.4	41.04	38	154.8	92.88
5	Gujarat	0.00	0.00	0.00	260	468	280.8	-	468	280.8	260	936	561.6
6	Karnataka	120	54	32.4	-	-	-	-	216	129.6	120	270	162
7	Kerala	222	199.8	119.8	-	399.6	239.76	-	399.6	239.76	222	999	599.32
8	Lakshadweep	0.00	0.00	0.00	10	18	18	-	-	-	10	18	18
9	Maharashtra	173	103.8	62.28	-	-	-	-	311.4	186.84	173	415.2	249.12
10	Odisha	600	540	324	-	-	-	-	1029.6	617.76	600	1569.6	941.76
11	Puducherry	32	28.8	28.8	-	-	-	-	9	9	32	37.8	37.8
12	Tamil Nadu	600	540	324	8	547.2	328.32	-	1094.4	656.64	608	2181.6	1308.96
	Total	**2123**	**1802.1**	**1093.78**	**366**	**2183.4**	**1367.64**	**0.00**	**4352.4**	**2665.44**	**2489**	**8337.9**	**5126.86**

Source: PMMSY Unit, DoF

- : NA

Table 14.152 Establishment of Trout Fish Hatcheries (In Rs. Lakhs)

S.No.	Name of the States	2020-21			2021-22			2022-23			Total of (2020-23)		
		Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share	Physical (No.)	Proj. Cost	GoI Share
1	Jammu and Kashmir	1	50.00	20.00	2	100	40	2	100	40	5	250	100
2	Himachal Pradesh	3	150	81	5	250	117	2	100	54	10	500	252
3	Ladakh	0.00	0.00	0.00	2	100	60	2	100	60	4	200	120
4	Nagaland	0.00	0.00	0.00	2	100	54	-	-	-	2	100	54
5	Sikkim	0.00	0.00	0.00	2	100	54	3	150	81	5	250	135
6	Uttarakhand	0.00	0.00	0.00	2	100	45	1	50	18	3	150	63
	Total	**4**	**200**	**101**	**15**	**750**	**370**	**10**	**500**	**253**	**29**	**1450**	**724**

Source: PMMSY Unit, DoF

- : NA

Chapter

15

Fisheries and Aquaculture Infrastructure Development Fund (FIDF)







Fisheries and Aquaculture Infrastructure Development Fund (FIDF)

Objectives of FIDF -

a) To address the infrastructure needs of the fisheries sector, the Department of Fisheries, Ministry of Fisheries, Animal Husbandry, and Dairying established the Fisheries and Aquaculture Infrastructure Development Fund (FIDF) in 2018-19, with a total fund size of Rs 7522.48 crore.

b) Through Nodal Loaning Entities (NLEs), FIDF provides finance concessional to Eligible Entities (EEs), which include State Governments/Union Territories and State entities, for the development of designated fisheries infrastructure facilities.
   i) National Bank for Agriculture and Rural Development (NABARD),
   ii) National Cooperatives Development Corporation (NCDC) and
   iii) All scheduled Banks

c) Under the FIDF, the Department of Fisheries provides interest subvention up to 3% per annum for providing the concessional finance by the NLEs at the interest rate not lower than 5% per annum.

d) Loan lending period under FIDF is five years from 2018-19 to 2022-23 and maximum repayment period of 12 years inclusive of moratorium of 2 years on repayment of principal.

e) DoF has approved the proposals to the tune of Rs. 5588.63 crore with Project cost restricted for interest subvention of Rs. 3738.19 to various States/UTs including the proposals of private beneficiaries.

f) An amount of Rs. 3294.41 crores have been sanctioned by Nodal Loaning Entities (NLEs). NABARD has sanctioned an amount of Rs. 3248.27 crore to the State Governments and Rs.46.14 crore has been sanctioned by Scheduled banks to private beneficiaries respectively.

g) The Tripartite MoA is executed between the (i) concerned (loan availing) State Government, (ii) NABARD and (iii) Department of Fisheries (DoF), Ministry of Fisheries, Animal Husbandry and Dairying.

h) GOI funding the State/UTs Projects under FIDF by NABARD. However, so far, only 12 States Governments namely Tamil Nadu, Gujarat, West Bengal, Andhra Pradesh, Karnataka, Kerala, Maharashtra, Haryana, Goa, UT of Jammu and Kashmir and Odisha and Himachal Pradesh have signed the Tripartite Memorandum of Agreement (MoA) for availing the initial concessional finance.

i) Fund size: Rs 7522.48 Crores, which includes Rs 5266.40 Crores to be raised by the Nodal Loaning Entities (NLEs); Rs 1316.60 Crores beneficiaries' contribution and Rs 939.48 Crores budgetary support.

   i) Loan Lending period: 5 years from 2018-19 to 2022-23

   ii) Maximum Repayment period: 12 years inclusive of moratorium of 2 years on repayment of principal.

   iii) Lending Rate of Interest: Not lower than 5% per annum for all EEs.

   iv) Interest Subvention: Up to 3% per annum for all EEs

- Number of proposals approved: **121 Nos.**
- Total cost of the approved proposals: **Rs. 5588.63 crores**
- Project cost restricted to interest subvention: **Rs. 3738.19 crores**
- Loan Sanctioned by NABARD to State Govt: **Rs. 3248.27 crores**
- Loan sanctioned by Scheduled Banks: **Rs. 46.14 crores**
- Loan disbursed by NLEs: **Rs. 635.78 crores**
- Funds released to NABARD by DoF: **Rs. 30.00 crores**
- Funds utilized by NABARD: **Rs. 22.00 crores**

Details of the Approved Proposals (Rs. In Crore)

S No	Name of State	No. of projects approved	Total Project Cost
1.	Andhra Pradesh	8	1313.32
2.	Arunachal Pradesh	1	0.68
3.	Assam	1	0.41
4.	Goa	1	6.42
5.	Gujarat	5	1354.92
6.	Haryana	1	1.17
7.	Himachal Pradesh	1	5.17
8.	Jammu and Kashmir	2	120.7
9.	Karnataka	2	1.44
10.	Kerala	2	161.82
11.	Maharashtra	10	943.69
12.	Manipur	4	1.15
13.	Mizoram	1	8.57
14.	Odisha	4	60.18
15.	Tamil Nadu	66	1576.08
16.	Telangana	1	4.7
17.	Uttar Pradesh	1	0.22
18.	West Bengal	10	27.99
	Total	**121**	**5588.63**

Source: FIDF Unit DoF

Details of the Fish Landing Centres approved under FIDF (Rs. In crores)

S. No	Name of the Project	Total Project Cost	Total Cost Eligible for Interest Subvention
Odisha			
1	Establishment of Fish Landing centre at Sorana in Khordha	9.29	9.29
2	Establishment of Fish Landing centre at Kalupahaghat in Khorda	7.56	7.56
3	Establishment of Fish Landing centre at Kasia in Badruk	7.85	7.85
Tamil Nadu			
4	Extension of T-Jetty at Tharuvaikulam in Thoothukudi District	10.00	10.00
5	Construction of Fish Landing Centre at Mandapam (North) in Ramanathapuram District.	10.00	10.00
6	Construction of Fish Landing Centre at Mandapam (South) at in Ramanathapuram District.	10.00	10.00
7	Construction of Fish Landing Centre at Kottaipattinam, Pudukottai	3.05	3.05
8	Construction of Fish Landing Centre at Vadakkamapattinam, Pudukottai	1.55	1.55
9	Construction of Fish Landing Centre at Puthukudi	1.40	1.40
10	Providing additional facilities to Fish Landing Centre at Portonovo-Annankovil at Cuddalore District	10.00	10.00
11	Providing additional Infrastructure facilities to Fish Landing Centre at Mudasalodai Village at Cuddalore District	9.50	9.50
12	Construction of Fish Landing Centre at Chandrapadi Village in Nagapattinum District.	10.00	10.00
13	Construction of Fish Landing Centre at Vanagiri Village in Nagapattinum District.	8.00	8.00
14	Construction of Fish Landing Centre Keezhathottam in Thanjavur	8.00	8.00
15	Construction of Fish Landing Centre at Kellamundhal in Ramanathapuram District	10.00	10.00
16	Construction of Fish Landing Centre at Aruvikarai Village in Tirunelveli District	10.00	10.00

S. No	Name of the Project	Total Project Cost	Total Cost Eligible for Interest Subvention
17	Establishment of fish landing centre at Sothikuppam and Rasapettai village in Cuddalore District	8.50	8.50
18	Establishment of Fish Landing Centre at Mudhaliyarkuppam and Chettynagar Villages in Villupuram District	7.00	7.00
19	Establishment of Fish landing centre at Chithiraipettai and Nanjalingampettai villages in Cuddalore District	7.50	7.50
20	Establishment of Fish Landing Centre at Pudhukuppam and Anichankuppam Villages in Villupuram District	7.00	7.00
21	Establishment of fish landing centre at Tsunami Nagar and Akkaraigori village in Cuddalore District	4.50	4.50
22	Establishment of fish landing centre at Sonankuppam village in Cuddalore District	5.50	5.50
23	Construction of Fish Landing Centre at Sattankuppam in Thiruvallur District.	8.00	8.00
24	Construction of Fish Landing Centre at Sunnambukulam in Thiruvallur District.	8.00	8.00
	Grand Total	**182.20**	**182.20**

Source: PMMSY Unit, DoF

Chapter

16

Kisan Credit Card





Kisan Credit Card (KCC) for Fisheries Sector

Background

The Government of India, in the year 2018-19, extended KCC facility to fisheries farmers to help them in meeting their working capital requirements. Bank authorities have been instructed to issue KCC within 14 days of receipt of the completed application from the fish farmers.

Objective

The main objective of KCC is to minimize the financial issue of the fisheries sector by providing timely and adequate credit to farmers to meet their production credit needs through facilitating the borrowers for availing loans from banking system under single window

Coverage under Kisan Credit Card

The general requirements/needs of fishermen covered under KCC are as follows:

1. Meeting the short-term credit requirement for cultivation of fish
2. Post-harvest expenses
3. Produce marketing loan
4. Consumption requirement of farmer household

Beneficiaries Involved

Fishers, Fish Farmers (individual & group/partners/sharecroppers/tenant farmers), Self Help Groups, Joint Liability Groups & Women Groups

Eligibility Criteria

1. For Inland Fisheries

The beneficiaries must own or lease any fisheries related assets such as pond, tank, open water bodies, raceway, hatchery, rearing units, boats, nets and such other fishing gear as the case may be and possess necessary authorization/certification as may be applicable in respective states for fish farming and fishing related activities and for any other State specific fisheries and allied activities.

2. For Marine Fisheries

Beneficiaries who have own or lease registered fishing vessel /boat, possess necessary fishing license/permission for fishing in estuary and sea, fish fanning/mariculture activities in estuaries and open sea and any other State specific fisheries and allied activities.

Credit limit for interest subvention and prompt repayment incentive

1. For the existing KCC holders the benefits of interest subvention and prompt repayment incentive will be admissible up to the credit limit of Rs. 3 lakhs including fisheries activities.
2. In the case of new card holders, the credit limit is Rs. 2 lakhs to meet their working capital requirements for fisheries activities.
3. In the KCC scheme @7% is the lending rate to farmers including @2% interest subvention per annum by Govt. of India. Also, another @3% per annum is provided in case of prompt repayment as an additional incentive as per the existing guidelines.
4. This implies that the farmers repaying promptly as above would get a loan @ 4% per annum effectively for loan amount up to Rs 2 lakhs.

Issuance of Kisan Credit Card for Fisheries Sector

Approximately 318033 number of application have been received as of 27.10.2023 whereas approx. 166052 Kisan Credit Card have been sanctioned.

Issuance of Kisan Credit Card for Fisheries Sector

Progress of Issuance of KCC for Fisheries Sector (As on 27.10.2023)

S. No	State Name	Number of Applications		
		Received	Sanctioned	Pending
1	Andaman & Nicobar Islands	7,898	7,576	5
2	Andhra Pradesh	33,839	20,619	29
3	Arunachal Pradesh	217	15	1
4	Assam	15,073	5,265	1,287
5	Bihar	4,273	725	104
6	Chandigarh	2	0.00	0.00
7	Chhattisgarh	4,919	1,277	613
8	Dadra And Nagar Haveli	2	2	0.00
9	Daman And Diu	321	310	0.00
10	Delhi	24	0.00	0.00
11	Goa	464	442	3
12	Gujarat	23,080	13,946	266
13	Haryana	550	190	8
14	Himachal Pradesh	982	842	7
15	Jammu And Kashmir	1,167	824	5
16	Jharkhand	7,972	1,987	24
17	Karnataka	10,621	6,513	779
18	Kerala	7,252	6,838	46
19	Ladakh	132	132	0.00
20	Lakshadweep	444	444	0.00
21	Madhya Pradesh	56,280	22,511	2,624
22	Maharashtra	18,449	11,369	205
23	Manipur	514	407	2
24	Meghalaya	190	170	0.00
25	Mizoram	165	41	0.00
26	Nagaland	197	8	0.00
27	Odisha	6,185	1,257	105
28	Pondicherry	2,876	1,611	23
29	Punjab	810	268	49
30	Rajasthan	6,418	4,886	2
31	Sikkim	222	45	0.00
32	Tamil Nadu	39,989	19,612	57
33	Telangana	23,755	5,557	26
34	Tripura	12,230	10,857	8
35	Uttar Pradesh	18,502	10,983	612
36	Uttarakhand	650	400	85
37	West Bengal	11,369	8,123	37
	Total	**318,033**	**166,052**	**7,012**

Source: Department of Financial Services





Department of Fisheries

Ministry of Fisheries, Animal Husbandry and Dairying

Government of India

Krishi Bhawan, New Delhi - 110001