



GOVERNMENT OF KERALA

KERALA
MARINE FISHERIES STATISTICS
2015

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Preface

Kerala has a coastline of 590 Km. The Exclusive Economic Zone (EEZ) of the state is 2.18 lakh sq. Km. The state has the right for regulating fishing and related activities in the sea upto a distance of 12 Nautical Mile. The state has territorial waters of about 13000 Sq. Km. Fishing activity plays a prominent role in the economy of the state. State fisheries sector contribute 1.58% of the state GDP. Fish products worth Rs. 5166 Crore exported from Kerala during 2014-15. This is 15% of the all India export of marine products.

Considering basic demands, the Government of Kerala have taken various programmes to strengthen marine fisheries sector of the state. The major thrust area of the Fisheries Department for the last few years was to create basic infrastructure facilities like housing, sanitation and house repair of the fishermen. The activities of the Fisheries Department include welfare schemes, employment generation schemes, women empowerment schemes and infrastructure development schemes.

I have great pleasure in presenting 'Marine Fisheries Statistics of Kerala 2015'. The publication is brought out with updated and new data. All the essential statistical data related to marine fisheries sector of Kerala is incorporated in this book. I hope this publication is useful to planners, administrators, entrepreneurs, researchers and other data users.

This publication is prepared by the officers in the Statistical Cell of the Directorate of Fisheries Department. I express my sincere thanks to them for their valuable work.

Any suggestion towards the improvement of this book will be highly appreciated.

Thiruvananthapuram

12 -02- 2016

Mini Antony IAS

Director of Fisheries

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An Introduction

Kerala State

1.	Location of Kerala	North Latitude between $8^{\circ}18'$ and $12^{\circ}48'$ East Longitude between $74^{\circ}72'$ and $77^{\circ}22'$
2.	Area	: 38863 Sq.Km
3.	Population (2011 Census)	: 334.06 lakh Male : 160.27 lakh Female : 173.79 lakh Sex Ratio : 1084 Density of population : 859 per Sq. Km.
4.	No. of Districts	: 14
5.	No. of Revenue Divisions	: 21
6.	No. of Taluks	: 75
7.	No. of Municipal Corporations	: 6
8.	No. of Municipalities	: 87
9.	No. of Grama panchayats	: 978
10	No. of CD Blocks	: 152

Kerala Fisheries

The coast of Kerala constitutes approximately 10 percent of India's total coastline. Here fisheries sector is considered as one of the most important productive and development sector.

	<u>India</u>	<u>Kerala</u>
Coastline length	8129 Km.	590 Km.
Exclusive Economic Zone	20.2 lakh Sq.Km.	2.19 lakh Sq.Km
Continental Shelf area (approx)	5.3 lakh Sq. Km.	0.39 lakh Sq. Km.

With a coastline of over 590 Km., and an exclusive economic zone (EEZ) of 218536 Sq Km, Kerala has a significant marine fisheries sector that has long been an important source of occupation and livelihood for the coastal population of the state. It is estimated that about 8 lakh people earn their livelihood from capture and allied works in marine fisheries in the 222 fishing villages situated along the

coastline of the state. The coastal line spread over nine districts of Kerala. The marine districts of Kerala are: Thiruvananthapuram, Kollam, Alappuzha, Ernakulam, Trissur, Malappuram , Kozhikkode, Kannur , Kasaragod. In addition to this, the state is blessed with 44 rivers, 49 reservoirs, 9 fresh water lakes, more than 65000 hectares of brackish water, more than 46000 hectares of backwaters and a number of ponds, irrigation tanks, streams etc. which contribute a rich resource of inland production.

1.	Fishermen Population for 2014-15 (<i>estimated</i>)	:	10.18 lakh
		Marine	7.84 lakh
		Inland	2.34 lakh
2.	Active fishermen population 2014-15		2.36 lakh
		Marine	1.83 lakh
		Inland	0.53 lakh
3.	No. of fisheries allied workers 2014-15		79347
4.	Number of fishing villages		
		Marine	: 222
		Inland	: 113
5.	Number of rivers		: 44
6.	Number of Fishing Harbours		: 12
7.	Number of registered vessels (as on 11-11-2015)		:
		Motorised non mechanical	: 29035
		Motorised mechanical	: 3819
		Non-motorised	: 2281
		Total	: 35135
10.	Fish landings during 2014-15	:	7.26 lakh MT
		Marine	: 5.24 lakh MT
		Inland	: 2.02 lakh MT

2. Gross Domestic Product (GDP)

In the state income accounts calculated by the Department of Economics & Statistics, the GVA (Gross Value Added) from fisheries sector is estimated by the production approach method. It involves

deduction of value of various inputs used in the process of production at purchases price from the total estimated value of output at factor cost.

***Contribution of Fisheries Sector to Gross State Domestic Product at Current Price
(Rs. in Crores) Base Year 2004-05***

Category	2009-10	2010-11	2011-12	2012-13	2013-14 (Quick)
<i>State GDP (Source: Dept. of Economics & Statistics)</i>					
State Gross Domestic Product	231998.67	263773.30	307906.06	349338.32	396282.48
State GDP from Primary Sector (i.e. Agriculture, Forestry & Fishing)	33152.15	41427.12	47868.70	50508.04	54189.28
State GDP from Fishing	3234.61	3409.90	3770.18	5114.78	6264.55
Share of Primary sector in GSDP	14.29	15.71	15.55	14.46	13.67
Share of Fisheries sector in GSDP	1.39	1.29	1.22	1.46	1.58
Share of Fisheries sector in GDP from Primary Sector (i.e. Agriculture, Forestry & Fishing)	9.76	8.23	7.88	10.13	11.56
<i>National GDP (Source: Fisheries Profile of India, GOI)</i>					
Total National GDP	6108903	7266967	8353495	9388876	
National GDP from Primary Sector (i.e. Agriculture, Forestry & Fishing)	1083514	1319686	1499098	1644926	
National GDP from Fisheries	50370	57271	66862	78053	
Share of Fisheries sector in national GDP	0.82	0.79	0.80	0.83	
Share of Fisheries sector in national GDP from Primary Sector (i.e. Agriculture, Forestry & Fishing)	4.65	4.34	4.46	4.75	

3. Department of Fisheries Kerala

Governance of the Fisheries sector is vested with the Honorable Minister for Fisheries. All the development and management programmes envisaged by the Government in the Fisheries sector are

being implemented by the State Department of Fisheries. The Department of Fisheries is headed by the Director of Fisheries. The Department of Fisheries is functioning for the development of both inland & marine fisheries sector by economic growth, food & nutritional security and socio-economic development of fisher folk.

Some agencies are functioning under the department with different various objectives. They are:

1. Kerala Fishermen's Welfare Fund Board (KFWFB)
2. Kerala State Cooperative Federation for Fisheries Development Limited (Matsyafed)
3. Agency for Development of Aquaculture, Kerala (ADAK)
4. Fisheries Resource Management Society (FIRMA)
5. National Institute of Fisheries Administration And Management (NIFAM)
6. Fish Farmers Development Agency (FFDA)
7. Kerala State Coastal Area Development Corporation (KSCADC)
8. Society for Assistance to Fisherwomen (SAF)

Under the Department of Fisheries there are five fisheries stations for conducting rescue operations
They are at

1. Vizhinjam, Thiruvananthapuram
2. Neendakara, Kollam
3. Vypin, Ernakulam
4. Beypore, Kozhikode and
5. Kannur

Operational area for each station has been fixed. Department has implemented KMFR act to govern marine fishing and conserve fishery resources. Penalty for fishing vessels violating rules imposed. During 2014-15, 1140 sea patrollings were conducted. 270 rescue operations were conducted and 3113 fishermen rescued during 2014-15. For enhancing and protecting fisheries resources, 47 days trawl ban imposed in the state from the midnight of June 14th to midnight of July 31st, 2015.

There are 10 fisheries technical schools working under this department in the marine districts.

The Harbour Engineering Department (HED), Kerala was formed in 1982 as a service department to Fisheries department. Prior to 1982 Coastal Engineering Works in the state were carried out by the Marine Wing of Kerala Public Works Department. Harbour Engineering Department helps the Fisheries Department by providing safe landing and berthing facilities for fishing vessels wherever possible as

fishing harbours / fish landing centres and similar infra structures in order to attain maximum catch in the marine sector. In addition to this, HED carries out construction and repairs of Regional Fisheries Technical Schools, hatcheries, fish farms, seed farms, aquarium etc.

Important welfare activities implementing through the state fisheries department in the marine sector are:

1. Housing scheme : provide assistance @ Rs. 2 lakh per unit for constructing new houses for the fishermen
2. House repair : provide assistance @Rs. 0.50 lakh per unit for repairing the houses of fishermen
3. Sanitation : provide assistance @ Rs. 17500 per unit to construct toilets for the fishermen
4. Education concession scheme : provide educational concession to the children of registered fishermen
5. Savings cum Relief scheme to promote thrift habit and to extend relief during lean period
6. Old age pension and widow pension to fishermen
7. Group insurance to fishermen to provide insurance coverage to active/allied fishermen who registered at KFWFB for death while at fishing
8. Modernization of country crafts : provide assistance for changing OBM
9. Assistance to fisherwomen self help groups to develop their micro enterprises
10. Providing interest free loans to women fish vendors

4. Fishermen Population

The fishermen population of the state for 2014-15 is estimated as 10.18 lakh based on the population of Kerala as on 1st Oct' 14

	<u>Male</u>	<u>Female</u>	<u>Children</u>	<u>Total</u>
Marine	307717	274337	201846	783900
Inland	90919	87470	55762	234151
Total	398636	361807	257608	1018051

With the intention of an overall social empowerment of the fishermen of the state, who are engaged in fishing for their livelihood, Kerala state enacted Kerala Fishermen Welfare Fund Act in September, 1985 and the Kerala Fishermen Welfare Fund Board (KFWFB) came into existence in January, 1986. The Kerala Fishermen's Welfare Fund Act was amended in 1999, (Act 17 of 1999) for

incorporating the workers engaged in fishery related activities for his livelihood. Several welfare schemes are implementing through this board for those who are registered as active or allied workers.

Number of Registered Marine Fishermen & Fishery Allied Workers

	Marine Fishermen			Fishery allied workers		
	Male	Female	Total	Male	Female	Total
2012-13	175411	22510	197921	14947	59194	74141
2013-14	174406	21987	196393	16184	60326	76510
2014-15	165558	17252	182810	17089	62257	79346

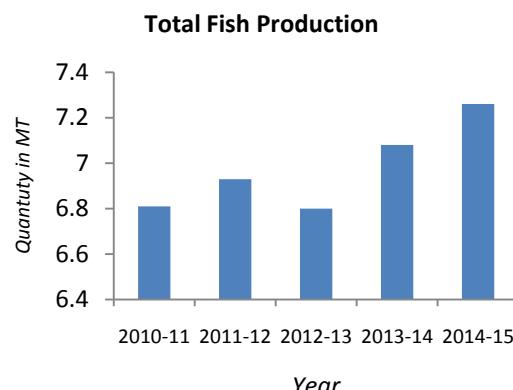
Details of Fishery Allied Workers

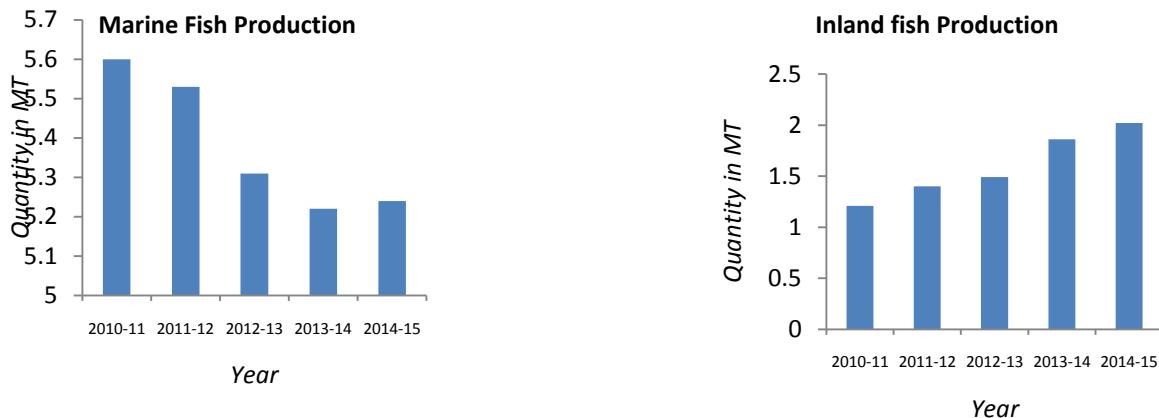
Beach workers	4390
Small scale distributers	19398
Fish curers	15308
Peeling workers	36014
Processing workers	4236
Total	79346

5. Fish Production

In order to assess marine landings and to assess inland fish production in the state, sample surveys are conducted by the department based on the methodology developed by CMFRI & CIFRI respectively. This is a Central Sector Scheme in which multi stage random sampling methods are used.

Year	Fish Production in lakh MT		
	Marine	Inland	Total
2010-11	5.60	1.21	6.81
2011-12	5.53	1.40	6.93
2012-13	5.31	1.49	6.80
2013-14	5.22	1.86	7.08
2014-15	5.24	2.02	7.26





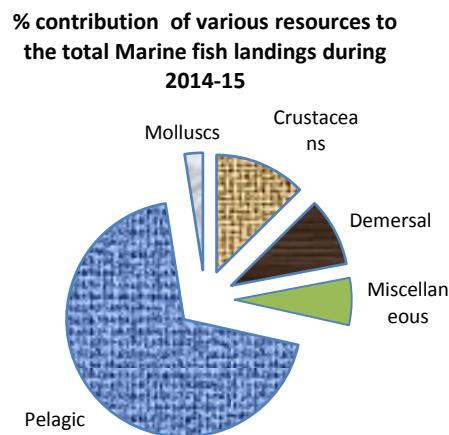
Analyzing the fish landings in Kerala, a decreasing trend is seen in the marine sector till 2013-14 and a slight increase of 0.4% during 2014-15. Inland fish production shows an increasing trend during the previous years and during 2014-15, an increase of 8.6% over 2013-14.

Marine Fish Production during 2014-15

Marine fish landings for 2014-15 is estimated as 524468 MT and that for 2013-14 was 522308 MT.

Contribution of various resources to the total landings during 2014-15 is as follows:

<u>Resources</u>	<u>Fish landings (in MT)</u>	<u>%</u>
Pelagic fin fishes	361956	69.0
Demersal fin fishes	49416	9.4
Crustaceans	65955	12.6
Molluscs	34057	6.5
Miscellaneous	13084	2.5
Total	524468	100



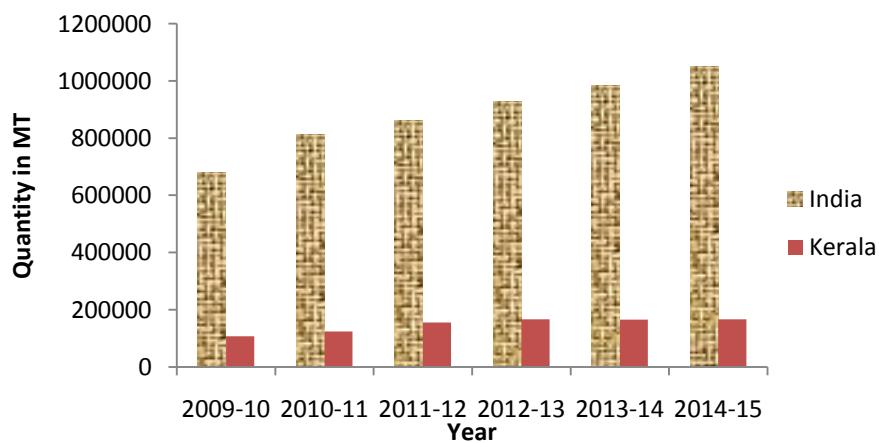
Pelagic fin fishes contributed 69% of the total fish landings. Major portion of this type includes oil sardines, lesser sardines, mackerel, anchovilla, ribbon fish, tunnis etc. Major portion of Crustaceans includes penaид prawn. Perches and Soles are the main items contained in demersal fin fish resources.

7. Export of Marine Products

The Marine Products Export Development Authority (MPEDA) is the nodal agency for promotion of seafood exports from India. The authority was constituted in 1972 under the Marine Products Export Development Authority Act 1972. It aims to cover fisheries of all kinds, increasing exports, specifying standards, processing, marketing, extension and training in various aspects of the industry. MPEDA functions under the Ministry of Commerce, Government of India and acts as a coordinating agency with different Central and State Government establishments engaged in fishery production and allied activities. Export of marine products from Kerala recorded a growth of 0.64% in quantity during 2014-15 than that in 2013-14

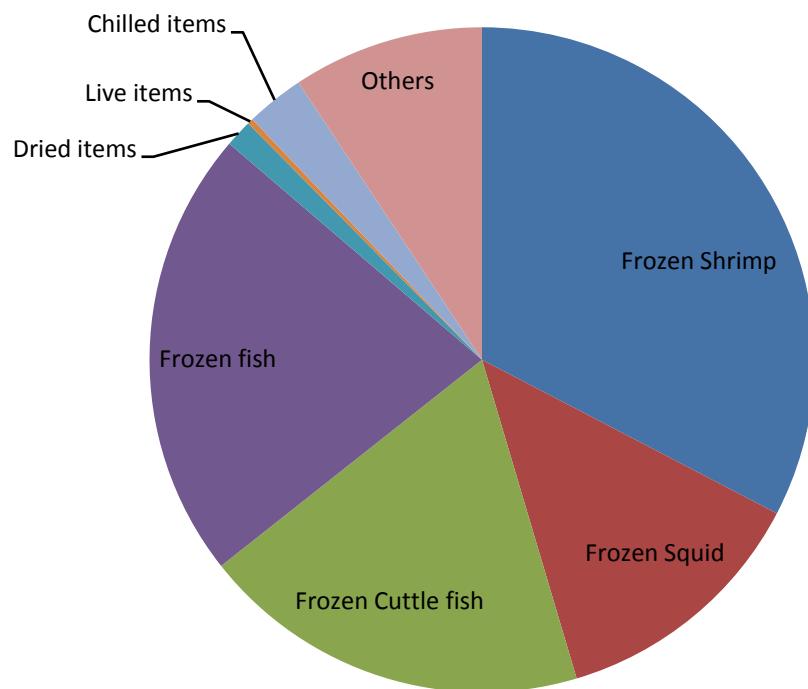
Year	India		Kerala		% share of Kerala over India	
	Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)	Quantity	Value
2009-10	678436	10048.52	107293	1670.02	16	17
2010-11	813091	12901.46	124615	2002.10	15	16
2011-12	862021	16597.23	155714	2988.34	18	18
2012-13	928215	18856.26	166399	3435.85	18	18
2013-14	983756	30213.26	165698	4706.36	17	16
2014-15	1051243	33441.60	166754	5166.08	16	15

Comparison of export of Marine Products from India & Kerala since 2009-10



Item-wise export of Marine Products during 2014-15				
Items	India		Kerala	
	Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)
Frozen Shrimp	357505	22468.1	54438.36	2855.96
Frozen Squid	69569	1275.25	21273.46	472.4
Frozen Cuttle fish	82353	1833.21	31604.21	813.95
Frozen fish	309434	3778.5	36523.9	473.85
Dried items	70544	1010.16	2213.97	27.5
Live items	5488	301.51	463.51	50.35
Chilled items	31404	635.93	4717.74	169.32
Others	124947	2138.94	15518.44	302.74
	1051244	33441.6	166753.63	5166.07

Export of Marine Products from Kerala during 2014-15



8 Budget Outlay in Fisheries Sector

Year	Outlay (Rs.in Crore)	Expenditure (Rs. in Crore)
2003-04	33.50	30.81
2004-05	43.00	35.94
2005-06	52.78	42.47
2006-07	73.80	72.40
2007-08	107.25	87.25
2008-09	160.29	157.91
2009-10	118.32	114.92
2010-11	118.62	105.40
2011-12	199.81	188.91
2012-13	243.2	230.3
2013-14	279.45	242.7
2014-15	343.12	252.15

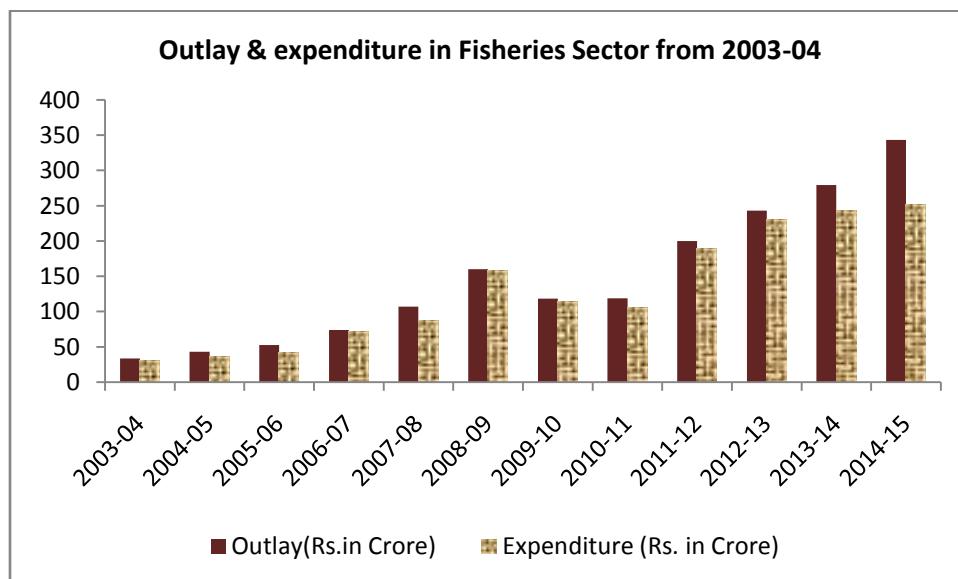


Table 1
District-wise distribution of Coastline of Kerala

Sl. No	District	Length of Coast Line (in Km)	Percentage to Total
1	Thiruvananthapuram	78	13.2
2	Kollam	37	6.3
3	Alappuzha	82	13.9
4	Ernakulam	46	7.8
5	Thrissur	54	9.2
6	Malappuram	70	11.9
7	Kozhikode	71	12.0
8	Kannur	82	13.9
9	Kasargode	70	11.9
Total		590	100

Table 2
**District-wise distribution of
Exclusive Economic Zone (EEZ) & Continental Shelf of Kerala**

Sl. No	District	EEZ (in Sq. Km)	*Continental shelf (in sq. Km.)
1	Thiruvananthapuram	28890	3939
2	Kollam	13702	2065
3	Alappuzha	30377	5043
4	Ernakulam	17046	2892
5	Thrissur	19996	3159
6	Malappuram	25940	5362
7	Kozhikode	26290	5503
8	Kannur	30377	6150
9	Kasargode	25918	5026
Total		218536	39139

*Distance from coast vary from 50 Km to 80 Km

Table 3
Details of Fisheries Schools under the Fisheries Department

Sl.No	Address of School	Year of Starting	Ongoing courses (For VHSC)
1	GRFTHS, Valiyathura,Thiruvananthapuram, Phone-0471-2502813	1965	1. Marine fisheries sea food processing
2	GRFTHS, Karunagappally,Kollam, Phone-0476-2620260	1984	1. Medical Lab Technology 2. Marine fisheries sea food processing
3	GRFTHS, Arthunal, Alappuzha, Phone-0478-2573357	1984	1. Aquaculture
4	GRFTHS, Thevara,Cochin, Ernakulam, Phone-0484-2663048	1968	1. Aquaculture
5	GRFTHS, Chavakkad,Thrissur, Phone-0487-2501965	1981	
6	GRFTHS, Thanur,Malappuram, Phone-0494-2443721	1981	1. Marine technology 2. Electrical and electronic technology 3. Marine fisheries sea food processing
7	GRFTHS, Koyilandi, Kozhikode, Phone-0496-2630956	1994-95	
8	GRFTHS, Beypore, Kozhikode, Phone-0495-2415397	1981	1. Marine fisheries sea food processing
9	GRFTHS, Azhecode, Kannur, Phone-0497-2770474	1967	1. Aqua Culture 2. Marine technology
10	GRFTHS, Kanhangad, Kasargode Phone-0467-2286746	2002	

Table 4
Details of Dispensaries constructed by the Fisheries Department

SI No	District	Location of Dispensary
1	Thiruvananthapuram	Edava
2		Thiruvallam
3		Puthukkurichy
4	Kollam	Paravoor
5		Alappad
6	Alappuzha	Thottappally
7		Pallythode
8		Arattupuzha
9		Pallana
10		Panoor
11	Ernakulam	Nayarambalam
12		Puthuvyppu
13		Chellanam
14		Udiyamperoor
15	Thrissur	Karimpram
16		Nattika
17		Punnayoor
17		Azheekode
19		Edavilangu
20		Kulimuttom
21	Malappuram	Vallikkunnu
22		Veliyamcode
23		Kuttayi
24		Parappanangadi
25		Thevarkadappuram
26	Kozhikode	Kottakkal
27		Madappally
28		Vadakara
29		Ezhukudikkal
30		Puthiyyappa
31		Ayanikkad

32	Kannur	Puthiyangadi
33		Muzhippalangadi
34		Anthur
35	Kasaragode	Ajannur
36		Cheruvathur
37		Thikadappuram
38		Mavilakadappuram
39		Valiyaparamba
Mobile dispensaries		
1	Thiruvananthapuram	
2	Alappuzha	
3	Ponnani	
4	Pazhayangadi, Kannur	

Table 5
Details of Fishermen Co-operative Societies in Kerala

Name of District	Affiliated to Matsyafed				Others	Grand Total
	Marine	Vanitha	Inland	Total		
Trivandrum	68	18	1	87	7	94
Kollam	40	12	30	82	14	96
Pathanamthitta	0					0
Alappuzha	45	29	58	132	28	160
Kottayam	0	9	20	29	10	39
Idukki						0
Ernakulam	28	15	59	102	22	124
Thrissur	29	8	4	41	17	58
Palaghat					6	6
Malappuram	39	9	18	66		66
Kozhikode	58	5	9	72	5	77
Wayanad						0
Kannur	16	5	4	25	5	30
Kasargod	23	6	1	30		30
Total	346	116	204	666	114	780

Table 6
Fishing Harbours in Kerala

Sl. No	Completed	Sl. No	Under construction	Sl. No	Proposed to be constructed
1	Thankassery	1	Vizhinjam	1	Poonthura
2	Neendakara	2	Muthalappozhy	2	Valiyathura
3	Kayamkulam	3	Chethi	3	Varkala Chilakkor
4	Thottappally	4	Arthunkal	4	South Paravoor
5	Munambam	5	Chellanam	5	Punnapra
6	Ponnani	6	Chettuva	6	Parappanangadi
7	Beypore	7	Koyilandi	7	Puthiyangadi
8	Puthiyappa	8	Thalai	8	Pathiyankara
9	Chombal	9	Kasargod	9	Ajanoor Kadappuram
10	Mopla Bay	10	Thanur	10	Kaipamangalam
11	Azheekal	11	Vellayil		
12	Cheruvathoor	12	Manjeswaram		

Source: Harbour Engineering Department

Table 7
Expenditure incurred for the Fishing Harbours (completed)
by the Harbour Engineering Department

Sl. No	Name of Fishing Harbour	Expenditure incurred (Rs. in Lakhs)	Remarks
1	Thankassery	41.30	Commissioned during 03/2001
2	Neendakara	8.54	Commissioned during 03/1998
3	Kayamkulam	25.27	Commissioned during 05/2008
4	Thottappally	17.50	Commissioned during 02/2011
5	Munambam	17.93	Commissioned during 08/2000
6	Ponnani	35.05	Commissioned during 02/2011
9	Beypore	7.32	Constructed by Kerala PWD-Exp. Incurred on additional works by HED
7	Puthiyappa	11.62	Commissioned during 02/1996
8	Chompal	9.03	Commissioned during 05/1999
10	Maplabay	10.71	Commissioned during 05/1999
11	Azheekal	3.54	Constructed by Kerala PWD-Exp. Incurred on additional work by HED
12	Cheruvathur	28.41	Commissioned during 08/2015

Source: Harbour Engineering Department

Table 8

Existing rates of user charges/fees for various services/facilities rendered by Harbour Engineering Departments
 (as per G.O. (Ms) No. 309/2012/F&PD dated 31.03.2012)

I	ENTRY FEES	Rs. Per entry
1	Lorry	75
2	Mini lorry	50
3	Car	30
4	Tempo (5T)	40
5	Tata Ace (1T to 2T)	20
6	Auto rickshaw	25
7	Auto Truck	20
8	Motorcycle/Scooter	10
9	Cycle	5
10	Persons :	3
11	Ice (50 Kg)	5
II	LANDING CHARGES	Rs. Per Each
1	Trawl Net Boat	50
2	Vallom (Big)	40
3	Vallom (Small)	20
4	Pursiene Boat	200
5	Gill Net Boat	50
III	BERTHING CHARGES	
a	Boat	30 per day
IV	WHARFAGE	
1	Loaded Lorry (Fish)	200
	Loaded Lorry (Prawn/ Crustaceous)	1000
2	Loaded Mini Lorry (Fish)	150
	Loaded Mini Lorry (Prawn/ Crustaceous)	700
3	Loaded Tempo (Fish)	100
	Loaded Tempo (Prawn/ Crustaceous)	350
4	Tata Ace (Fish)	100
	Tata Ace (Prawn/ Crustaceous)	200
5	Loaded Auto Rickshaw (Fish)	40
	Loaded Auto Rickshaw (Prawn/ Crustaceous)	150
6	Head Load (Fish)	5
	Head Load (Prawn/ Crustaceous)	20
7	Auto Truck (Fish)	75
	Loaded Auto Truck	150

8	Two Wheeler (Bike/ M 80/ Scooter) (Upto Two Boxes) (Fish)	25
	Two Wheeler (Bike/ M 80/ Scooter) (Upto Two Boxes) (Prawn/ Crustaceous)	50
9	Two Wheeler (Bike/ M 80/ Scooter) (Above Two Boxes)(Fish)	40
	Two Wheeler (Bike/ M 80/ Scooter) (Above Two Boxes)(Prawn/ Crustaceous)	75
10	Cycle upto two boxes (Fish)	15
	Cycle upto two boxes (Prawn/ Crustaceous)	30
11	Cycle above two boxes (Fish)	25
	Cycle above two boxes (Prawn/ Crustaceous)	50
V	RENEWAL OF LICENCES	
a	Auction Agent	200 per month
b	Merchants	500 per month
c	Petty Merchants	100 per month
d	Ice Sellers	
e	Woman vendors	10 per month (100 per year)
f	Harbour workers (Labour pass)	200 per year
VII	GROUND RENT FOR REPAIR YARD	
	Open area	100 per day
	Covered area	150 per day
VII	NEW SOURCES OF REVENUE	
	Entry fee to breakwaters	10 per person
VIII	INSPECTION BUNGALOW FEES	
	Thankassery Room Rent	500 per day
	Hall Rent	1000 per day
	Vizhinjam Room Rent	750 per day
	Hall Rent	1500 per day
	Kozhikode Room Rent	300 per day
	Hall Rent	500 per day
IX	OTHER ITEMS	
	Video Camera for Preparation	1500 per day or part there of
	for Actual Shooting	5000 per day or part there of
	Movie Camera for Preparation	1500 per day or part there of
	for Actual Shooting	10,000 per day or part there of

Source: Harbour Engineering Department, Kerala

Table 9
Details of Revenue Collection in Various Fishing Harbours and Fish Landing Centres

Sl. No	Name of Project	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
FISHING HARBOURS							
1	Neendakara	97.094	108.214	115.540	185.910	338.705	154.578
2	Puthiyappa	142.414	225.850	180.990	78.120	19.930	33.468
3	Munambom	0.187	1.990	1.190			
4	Mopla Bay	11.066	8.340	6.910	18.180	11.820	25.060
5	Chombal	8.211	5.700	8.380	7.540	2.840	10.358
6	Azheekal	3.805	0.150	3.210	0.140	0.110	1.840
7	Beypore	2.407	6.810	17.980	14.530	8.788	4.402
8	Thankasserry	18.636	32.180	41.210	49.370	42.767	46.579
9	Vizhinjam	71.200	10.920	2.470	11.460	16.456	4.705
10	Kayamkulam			11.200	43.050	41.653	50.138
FISH LANDING CENTRES							
1	Munnakkadavu	0.431	1.180	1.590	2.070	3.529	1.313
2	Thottappally	0.157	0.010	10.340	5.190	0.442	132.489
3	Neeleswaram	0.357	1.020	1.100	0.250	0.470	0.637
4	Dharmadom	0.371	0.400	0.590	0.740	0.990	0.920
5	New Mahe	0.626	0.530	0.470	0.720	0.850	0.910
6	Vellayil Beach	1.884	2.670	1.480	2.790	3.317	17.763
7	Cheruvathoor	0.686	0.270	0.770	0.480	1.4255.	0.856
8	Chalil-Gopalapettah	0.130	0.100	0.110	0.390	0.490	0.510
9	Quilandy	0.000			1.300	0.484	0.329
10	Chettuva	0.212	1.200	9.390	7.580	11.058	4.100
11	Palacode	0.000	0.000	0.000	0.000		
12	Arthungal	0.002					
13	Punnapra		2.870	1.030	5.130	2.927	
14	Ponnani					1.500	
15	Kattoor		0.181	0.020		0.033	
16	Ettikulam						
17	Thikkodi			0.070			

Source: Harbour Engineering Department, Kerala

Table 10
Marine Fish Landing Centres in Kerala

Sl.No.	Landing Centre	Sl.No.	Landing Centre
	Thiruvananthapuram	32	Puthukurichi
1	Kollamkode	33	Perumathura
2	Parithiyoor	34	Singarathoppu
3	Poovar	35	Thazhampally
4	Kochuthura	36	Anjengo South
5	Puthiyathura(Chinnamarthandanthura)	37	Anjengo North
6	Karimkulam	38	Mampally
7	Chempakaramanthura	39	Arivalam & Rathikkal
8	Pallam	40	Kayakara
9	Erayammanthura	41	Perumon
10	Adimalathura	42	Onnampalam
11	Vizhinjam(Kottapuram)	43	Vettoor
12	Vizhinjam(North)	44	Chilakkoor
13	Kovalam	45	Odayan
14	Panathura South	46	Edava
15	Poonthura	47	Kappil
16	Beemapally	48	Poothura
17	Cheriyathura		Kollam
18	Valiyathura/Valiyathura Pier	49	Cheriazheekal-2
19	Kochuthoppu	50	Puthenthura
20	Valiyathoppu	51	Neendakara
21	Kannanthura	52	Sakthikulangara
22	Vettukadu	53	Thankassery
23	Kochuveli	54	Wadi
24	Valiyaveli	55	Moothakara
25	Pallithura	56	Jonapuram
26	Thumpa	57	Quilon port
27	St Andrews	58	Pallithottam
28	Puthenthoppu	59	Eravipuram
29	Vettuthura	60	Koluthumpadam
30	Santhipuram	61	Chillickal
31	Mariyanadu colony	62	Thottukuzhi

Sl.No.	Landing Centre	Sl.No.	Landing Centre
63	Parakkada	93	Manassery
64	Marathadi	94	Puthenthodu(Kannamali)
65	Chanakazhiyam	95	Chellanam
66	Pozhikkara	96	Cherai
	Allappuzha	97	Edavanakkad
67	Chethy	98	Beachroad
68	Punnappa	99	Fort cochi
69	Alleppy Beach	100	Nayarambalam
70	Pallithode	101	Narakal
71	Thykal	102	Saudi
72	Arthungal	103	Maruvakad
73	Chennavely		Thrissur
74	Pollethai	104	Azheecode-2
75	Vadakkal	105	Munakkal
76	Paravoor	106	Eriyad(Chelarappa)
77	Thrikkunnappuzha	107	Kara
78	Valanjavazhy	108	Kathiyalam
79	Thottappally	109	Attupuram
80	Manakodam	110	Perinjanam Arattukadavu
81	Vadapozhi	111	Mathilakom
82	Thumboli	112	Kaipamangalam Vanchipura
83	Purakkad	113	Kaipamangalam Companykadavu
	Eranakulam	114	Chamakkala
84	Murikumpadam	115	Palapetty
85	Kalamukku	116	Kazhimbram
86	Puthuvaipu	117	Nattika
87	Malipuram	118	Thalikulam
88	Kuzhippily	119	Vadanappally
89	Munambam FH	120	Chettuva Bangalamkadavu
90	Munambam Mini FH	121	Munakkakadavu
91	Thoppumpady	122	Blangad
92	Gondu parabu	123	Puthen kadapuram

Sl.No.	Landing Centre	Sl.No.	Landing Centre
124	Edakazhiyur	156	Vellayil
125	Panchavadi		Kannur
126	Mannalamkunnu	157	Edakkad
	Malappuram	158	Thalayikunhi Kadappuram
127	Palappetty	159	New Mahe
128	Veliyancode	160	Thuruth
129	Ponnani	161	Ettikulam
130	Koottai	162	Azheekal jetty
131	Vakkad	163	Tellicherry
132	Puthengadi/Paravanna	164	Ayikkara FH
133	Thevarkadappuram	165	Azheecode South
134	Thanur	166	Muzhuppilangad
135	Parappnangadi	167	Palakode
136	Vadakke	168	Puthiyangadi
137	Kadalundinagaram		Kasaragode
	Kozhikode	169	Pallikere
138	Chaliyam	170	Kotikulam
139	Beypore FH	171	Bekal
140	Kozhicode South	172	Kizhur
141	Chombala FH	173	Thalangara jetty
142	Badagara Azhithala	174	Kasaba
143	Kolavi(Irinjal)	175	Adakathbail
144	Thikkodi(Kodikkal)	176	Mogral
145	Valavil kadappuram	177	Koipadi
146	Muthayakadappuram	178	Uppala
147	Moodady	179	Arikkadi
148	Koloth	180	Hosabettu-Udavar
149	Quilandy/Koloth	181	Kunhathur
150	Kovalad	182	Ajanoor-N-Bella
151	Polikavu	183	Chittari
152	Kappad	184	Hosdurga-S-Bella(Poonjavi)
153	Edakadavu	185	Thaikadappuram
154	Elathur	186	Poonchavikadapuram
155	Puthiyappa FH-2	187	Cheruvathur FH

Table 11

Fish Landing Centres in Marine sector by Harbour Engineering Department & KSCDC

SI No	District	Name of Marine Fish landing Centre constructed by				
		Harbour Engineering Department		Kerala State Coastal Area Development Corporation (KSCDC)		
		Functioning	Under Construction	Functioning	Under Construction	
1	2	3	4	5	6	
1	Thiruvananthapuram	Vizhijam south		Paruthiyoor	Karamkulam	
		Poonthura		Poovar	Adimalathura	
		Mariyanadu		Puthiyappa		
				Anchuthengu		
2	Alappuzha	Arthunkal(Upgraded to fishing harbour)	Valiyazheeckal			
		Katrur Pollathai				
		Punnappa				
		Pathiyankara				
3	Ernakulam	Nayarambalam				
		Vipin				
4	Thrissur			Puthenkadappuram, chavakkad	Kaippamangalam	
				Blangad, Chavakkad	Nattika	
					Thalikkulam	
5	Malappuram	Paravanna				
		Palappetti				
		Vallikkunnu (not functioning)				
		Kadalundinagaram				

1	2	3	4	5	6
6	Kozhikkode	Vellayil (Upgraded to fishing harbour)	Thikkodi		
		Koyilandi (Upgraded to fishing harbour)			
		Kuriyadi			
7	Kannur	Dharmadom		Muzhippilangad	
		New Mahe			
		Puthiyangadi			
		Chalil Gopalapettah			
		palacode			
		Ettikulam			
8	Kasargode	Cheruvathur			
		Koyippady			
		Mozodi			
		Ajanoor			
		Punchavi			
		Padanna			
		Bakel			
		Kasargode			

Source: Harbour Engineering Department, Kerala & Kerala State Coastal Area Development Corporation

Table 12
District wise Fishermen Population 2014-15 (*estimated*)

Sl. No.	District	Marine				Inland				Grand Total
		Male	Female	Children	Total	Male	Female	Children	Total	
1	Thiruvananthapuram	62857	55527	49370	167754	445	517	443	1405	169159
2	Kollam	39498	33393	19609	92500	13435	12649	8102	34186	126686
3	Pathanamthitta					927	805	375	2107	2107
4	Alappuzha	50472	46127	31177	127776	24879	23832	12871	61582	189358
5	Kottayam					9770	9274	5753	24797	24797
6	Idukki					266	267	169	702	702
7	Ernakulam	28559	26756	16804	72119	23605	23098	16752	63455	135574
8	Thrissur	21539	21706	12412	55657	7887	7219	4563	19669	75326
9	Palakkad					860	848	868	2576	2576
10	Malappuram	34942	28418	26005	89365	1800	1568	847	4215	93580
11	Kozhikode	38607	33610	25770	97987	4147	4374	3397	11918	109905
12	Wayanad					76	81	77	234	234
13	Kannur	13997	12718	10912	37627	2409	2548	1365	6322	43949
14	Kasaragod	17246	16082	9787	43115	413	390	180	983	44098
Total		307717	274337	201846	783900	90919	87470	55762	234151	1018051

Note: Population estimated based on 2011 Census figures

Table 13
District-wise Marine Fishermen Population in Kerala
for 2012-13, 2013-14 & 2014-15 (estimated)

Sl. No.	Name of District	Marine Fishermen Population											
		2012-13				2013-14				2014-15			
		Male	Female	Children	Total	Male	Female	Children	Total	Male	Female	Children	Total
1	Thiruvananthapuram	61568	54397	48362	164327	62558	55262	49134	166954	62857	55527	49370	167754
2	Kollam	38402	32478	19035	89915	39308	33251	19499	92058	39498	33393	19609	92500
3	Alappuzha	42565	38853	26325	107743	50230	45856	31079	127165	50472	46127	31177	127776
4	Ernakulam	28267	26499	16546	71312	28444	26664	16666	71774	28559	26756	16804	72119
5	Thrissur	27628	27837	15848	71313	21458	21619	12314	55391	21539	21706	12412	55657
6	Malappuram	30625	24902	22761	78288	34784	28282	25872	88938	34942	28418	26005	89365
7	Kozhikode	37533	32739	25069	95341	38383	33479	25658	97520	38607	33610	25770	97987
8	Kannur	20205	18361	15693	54259	13942	12668	10837	37447	13997	12718	10912	37627
9	Kasargode	16865	15923	9844	42632	16971	16022	9916	42909	17246	16082	9787	43115
Total		303658	271989	199483	775130	306078	273103	200975	780156	307717	274337	201846	783900

Table 14
**District-wise Number of Active Marine Fishermen & their families in Kerala
for 2012-13, 2013-14 & 2014-15**

Sl. No	Name of District	2012-13			2013-14			2014-15			No. of Family		
		Active Fishermen (in Nos.)			No. of Family	Active Fishermen (in Nos.)			No. of Family	Active Fishermen (in Nos.)			
		Male	Female	Total		Male	Female	Total		Male	Female		
1	Thiruvananthapuram	37584	14404	51988	34965	37279	13995	51274	43425	37499	13400	50899	
2	Kollam	17856	819	18675	18020	17914	740	18654	16526	17942	619	18561	
3	Alappuzha	35028	3767	38795	27295	35241	3996	39237	27446	25859	41	25900	
4	Ernakulam	14743	452	15195	12375	13181	216	13397	8995	13021	209	13230	
5	Thrissur	6088	9	6097	3620	6092	9	6101	4772	5794	9	5803	
6	Malappuram	30176	2	30178	25752	30948	0	30948	21791	31479	0	31479	
7	Kozhikode	21342	28	21370	16557	21681	26	21707	16728	21751	18	21769	
8	Kannur	5725	13	5738	4808	5162	10	5172	4189	5174	12	5186	
9	Kasargode	6869	3016	9885	5904	6908	2995	9903	5892	7039	2944	9983	
Total		175411	22510	197921	149296	174406	21987	196393	149764	165558	17252	182810	143409

Source: Kerala State Fishermen Welfare Fund Board

Table 15

**% distribution of Active Marine Fishermen to the Marine Population in Kerala
for 2012-13, 2013-14 & 2014-15**

Sl. No	Name of District	Percentage of Active Marine Fishermen to the Marine Population							
		2012-13			2013-14			2014-15	
		Population (Estimated)	No. of active fishermen	%	Population (Estimated)	No. of active fishermen	%	Population (Estimated)	No. of active fishermen
1	Thiruvananthapuram	164327	51988	32	166954	51274	31	167754	50899
2	Kollam	89915	18675	21	92058	18654	20	92500	18561
3	Alappuzha	107743	38795	36	127165	39237	31	127776	25900
4	Ernakulam	71312	15195	21	71774	13397	19	72119	13230
5	Thrissur	71313	6097	9	55391	6101	11	55657	5803
6	Malappuram	78288	30178	39	88938	30948	35	89365	31479
7	Kozhikode	95341	21370	22	97520	21707	22	97987	21769
8	Kannur	54259	5738	11	37447	5172	14	37627	5186
9	Kasargode	42632	9885	23	42909	9903	23	43115	9983
Total		775130	197921	26	780156	196393	25	783900	182810
									23

Table 16

**District-wise Number of Allied worker Fishermen in Kerala
for 2012-13, 2013-14 & 2014-15**

Sl. No.	Districts	2012-13			2013-14			2014-15		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Thiruvananthapuram	555	447	1002	531	590	1121	534	980	1514
2	Kollam	660	13793	14453	1312	13747	15059	1697	14395	16092
3	Pathanamthitta	486	75	561	422	140	562	512	77	589
4	Alappuzha	2516	19575	22091	2779	19889	22668	2646	21077	23723
5	Kottayam	547	360	907	253	459	712	656	137	793
6	Idukki	64		64	317	-	317	45	10	55
7	Ernakulam	2226	11490	13716	2260	11820	14080	2404	11942	14346
8	Thrissur	952	2110	3062	1328	1902	3230	1303	1770	3073
9	Palakkad	280		280	291	-	291	285	-	285
10	Malappuram	1006	3306	4312	1090	3326	4416	1215	3216	4431
11	Kozhikode	3964	7064	11028	3987	7425	11412	3902	7557	11459
12	Wayanad	354		354	420	-	420	505	-	505
13	Kannur	1161	376	1537	198	674	872	1157	419	1576
14	Kasargode	176	598	774	996	354	1350	228	678	906
Total		14947	59194	74141	16184	60326	76510	17089	62258	79347

Source: Kerala State Fishermen Welfare Fund Board

Table 17
District-wise Number of Fish Vendors in Kerala during 2014-15

District		Male	Female	TOTAL
1	Thiruvananthapuram	299	1308	1607
2	Kollam	354	5018	5372
3	Pathananthitta	433	47	480
4	Alappuzha	523	532	1055
5	Kottayam	211	73	284
6	Idukki	390	32	422
7	Eranakulam	304	212	516
8	Thrissur	670	110	780
9	Palakkad	1087	0	1087
10	Malappuram	569	25	594
11	Kozhikode	480	5	485
12	Wayanad	12	0	12
13	Kannur	399	95	494
14	Kasargod	524	2293	2817
<i>State</i>		6255	9750	16005

OBM Verification – Kerosene subsidy

Fisheries department is providing subsidy for kerosene for the Out Board Motors in fishing through Matsyafed. On 8-03-2015 OBMs were verified.

Table 18
District-wise details of OBM verification held on 8-03-2015
(Age old particulars of OBMs Recommended for permits)

Sl. No.	District	Total No. of OBM's verified	Total Recommended For Permit	Up to 5 yrsr.	5yrs. to 8yrs.	8yrs. to 10yrs.	10 yrs. to 15yrs.	Above 15 yr
1	Thiruvananthapuram	8450	8175	3613	1533	1328	1572	129
2	Kollam	2435	2399	1120	740	228	294	17
3	Alappuzha	2842	2763	1214	502	286	659	102
4	Ernakulam	348	290	148	50	19	61	12
5	Thrissur	688	647	301	119	58	149	20
6	Malappuram	1913	1846	934	395	100	316	101
7	Kozhikode	2353	2276	922	503	242	539	70
8	Kannur	1016	957	312	247	98	255	45
9	Kasaragode	1003	961	414	216	71	173	87
T O T A L		21048	20314	8978	4305	2430	4018	583

Source: Matsyafed

Schemes implemented by Department of Fisheries in the Marine Sector

Housing:

Assistance was provided to the eligible fishermen @ 2 lakh per unit for constructing new houses. Assistance provided under 13th Finance Commission Award (FCA), Integrated Development of Fishing Villages (IDFV), 50% Centrally Sponsored Scheme NFWF Housing & Basic Infrastructural Facilities (BIF). Under 13th FCA, the scheme was implemented in two phases. In the 1st phase the assistance was given to the eligible fishermen in the selected model fishing villages@2.5 lakh per unit.

Table 19
District-wise details of Housing Scheme for 2012-13 to 2015-16

Sl. No	Name of District	No. of Houses							Amount (Rs. In Lakh)	
		2012-13		2013-14	2014-15		2015-16	Total		
		13th FCA		NFWF Housing	NFWF Housing	NFWF Housing	IDFV Housing			
		1st Phase	2nd phase				BIF Housing			
1	Thiruvananthapuram	127	440	110	110	135	300	800	2022	4107.5
2	Kollam	284	320	110	113	90	250	700	1867	3876
3	Pathanamthitta			5	5				10	20
4	Alappuzha	568	800	110	110	150	300	800	2838	5960
5	Kottayam		20	20	25	4	10	62	141	282
6	Idukki			5	2	5			12	24
7	Ernakulam	284	440	100	100	140	300	800	2164	4470
8	Thrissur	123	72	50	40	12	40	182	519	1099.5
9	Palakkad		5	5	5	6			21	42
10	Malappuram	284	440	85	110	150	300	800	2169	4480
11	Kozhikkod	59	220	100	100	68	150	500	1197	2423.5
12	Wayanad								0	0
13	Kannur	65	50	55	40	20	75	146	451	934.5
14	Kasaragod	110	60	45	40	20	75	200	550	1155
TOTAL		1904	2867	800	800	800	1800	4990	13961	28874

House Repair:

During 2013-14, assistance was provided to the eligible fishermen @ Rs. 50000/ per unit for repairing their houses. Assistance provided under 13th Finance Commission Award (FCA), Integrated Development of Fishing Villages (IDFV) & Basic Infrastructural Facilities (BIF).

Table 20
District-wise details of House Repair for 2013-14 & 2015-16

Sl.No	Name of District	No. of Houses allotted for Repair			Amount (Rs. in Lakh)	
		2013-14		TOTAL		
		13th FCA	IDFV			
1	Thiruvananthapuram	140	250	820	1210	605
2	Kollam	141	220	700	1061	530.5
3	Pathanamthitta	5	2	12	19	9.5
4	Alappuzha	140	250	763	1153	576.5
5	Kottayam	25	8	24	57	28.5
6	Idukki	4		8	12	6
7	Ernakulam	130	96	600	826	413
8	Thrissur	50	16	50	116	58
9	Palakkad	5	9	23	37	18.5
10	Malappuram	140	78	400	618	309
11	Kozhikkod	120	16	150	286	143
12	Kannur	40	32	150	222	111
13	Kasaragod	60	23	100	183	91.5
TOTAL		1000	1000	3800	5800	2900

Sanitation: Assistance was provided to the eligible fishermen @ 17500/ per unit for constructing new toilets. Assistance provided under the schemes: Integrated Coastal Area Development, 13th Finance Commission Award (FCA), Integrated Development of Fishing Villages (IDFV) & Basic Infrastructural Facilities (BIF).. Under 13th FCA, the scheme was implemented in two phases. In the 1st phase the assistance was given to the eligible fishermen @ Rs. 20000/ per unit

Table 21
District-wise details of Sanitation scheme for 2012-13 to 2015-16

Sl. No.	Name of the district	No. of toilets Allotted						Amount (Rs. In Lakh)	
		2012-13		2013-14		2014-15	2015-16		
		Integrated Dev. of coastal areas	13th FCA- 1st phase	13th FCA- 2nd phase	IDFV	IDFV	BIF		
1	Thiruvananthapuram	137	861	500	709	250	1768	4225	760.91
2	Kollam	114	247	669	300	325	600	2255	400.81
3	Pathanamthitta			40	25		8	73	12.78
4	Alappuzha	137	450	617	550	211	150	2115	381.39
5	Kottayam			52	47	100	12	211	36.93
6	Idukki			2	10		6	18	3.15
7	Ernakulam	114	729	250	450	150	583	2276	416.525
8	Thrissur	46	91	176	100		50	463	83.3
9	Palakkad			27	10		10	47	8.23
10	Malappuram	114	252	250	412		207	1235	222.425
11	Kozhikkod	114	15	290	300	300	150	1169	204.95
12	Kannur	91		186	50		6	333	58.28
13	Kasaragod	47	9	160	50		50	316	55.53
TOTAL		914	2654	3219	3013	1336	3600	14736	2645.21

Colony revamping:

Under 13th Finance Commission Award, during 2013-14, 65 colonies were renovated by giving financial assistance to the eligible fishermen for constructing/repairing houses.

Table 22
**District-wise details of House Construction & House Repair
in the scheme “Colony Revamping”**

Sl.No	Name of District	House construction		House Repair	
		Number of Houses Allotted	Amount (Rs. In Lakh)	Number of Houses Allotted	Amount (Rs. In Lakh)
1	Thiruvananthapuram	87	174	301	150.5
2	Kollam	179	358	326	163
3	Pathanamthitta	1	2		0
4	Alappuzha	37	74	21	10.5
5	Kottayam	3	6	1	0.5
6	Idukki		0		0
7	Ernakulam	132	264	35	17.5
8	Thrissur	17	34	25	12.5
9	Palakkad		0		0
10	Malappuram	36	72	65	32.5
11	Kozhikkod	74	148	18	9
12	Kannur	1	2	53	26.5
13	Kasaragod	56	112	73	36.5
TOTAL		623	1246	918	459

Education concession:

Provide educational concession to the children of registered fishermen. The guideline for providing educational concession to fishermen children is same as that of the Scheduled Caste children. Hence

fishermen children who got admission in the private professional colleges in government quota, those who are studying in parallel colleges, those who are carrying distance education & research scholars are eligible for educational concession.

Table 23
District-wise details of Education Concession for 2012-13, 2013-14 & 2014-15

Sl. No.	District	2012-13		2013-14		2014-15	
		No.of students	Amount utilized Rs. in lakh	No.of students	Amount utilized Rs. in lakh	No.of students	Amount utilized Rs. in lakh
1	Thiruvananthapuram	7241	215	9759	195	14636	650
2	Kollam	7145	150	2358	90	11662	390
3	Pathanamthitta	123	26.5	82	18	89	24
4	Alappuzha	12382	193	2869	130	19843	500
5	Kottayam	921	48	577	34	756	74
6	Idukki	18	4.5	3	2	12	5
7	Eranakulam	6797	210	3819	90	6125	232.5
8	Thrissur	919	25	760	25	807	38
9	Palakkad	95	10	74	7	87	19
10	Malappuram	9154	150	6721	83	28179	264
11	Kozhikkode	6603	85	3272	55	5616	113
12	Wayanad	9	3	6	1	13	2
13	Kannur	2076	55	1722	40	2348	64
14	Kasaragod	1855	25	1678	30	1466	24.5
TOTAL		55338	1200	33700	800	91639	2400

Table 24
Course-wise details of Education Concession during 2014-15

Sl. No.	Name of Course	Male	Female	TOTAL
1	up to +2/VHSE	35966	42568	78534
2	ITI	213	243	456
3	Polytechnic	284	174	458
4	Degree Fisheries	8	19	27
5	P.G Fisheries	9	8	17
6	Degree (Arts & Science)	4212	6240	10452
7	PG (Arts & Science)	355	620	975
8	M Phil.	2	2	4
9	Phd	2	4	6
10	B.Ed	8	86	94
11	Med	1	0	1
12	DCA	0	3	3
13	BCA	0	2	2
14	MCA	5	3	8
15	BBA	1	0	1
16	MBA	13	7	20
17	MBBS	14	8	22
18	BDS	8	8	16
19	B Tech	180	186	366
20	M Tech	4	4	8
21	LLB	7	6	13
22	BSW (Social Worker)	2	0	2
23	Paramedical	0	8	8
24	Physiotherapy	0	2	2
25	D pham.	0	1	1
26	B Pham.	1	5	6
27	Bsc Medical Lab Technician	0	2	2
28	General Nursing &Midwifery	0	11	11
29	BSc Nursing	3	105	108
30	BAMS	0	11	11
31	BHMS	0	2	2
32	Physical Education	3	0	3
TOTAL		41301	50338	91639

Table 25
Gender-wise details of Education Concession during 2014-15

Sl. No.	District	Male	Female	Total	Amount utilized Rs. in lakh
1	Thiruvananthapuram	6335	8301	14636	650
2	Kollam	4033	7629	11662	390
3	Pathanamthitta	31	58	89	24
4	Alappuzha	8783	11060	19843	500
5	Kottayam	331	425	756	74
6	Idukki	9	3	12	5
7	Eranakulam	2780	3345	6125	232.5
8	Thrissur	405	402	807	38
9	Palakkad	43	44	87	19
10	Malappuram	13303	14876	28179	264
11	Kozhikkode	3369	2247	5616	113
12	Wayanad	7	6	13	2
13	Kannur	1131	1217	2348	64
14	Kasaragod	741	725	1466	24.5
TOTAL		41301	50338	91639	2400

Implementation of KMFR Act

Rescue Operations- Fisheries Stations

Over fishing in territorial waters lead the fishermen to the deep sea for their livelihood, and this increases the causalities in the sea. The search and rescue operation in the entire territorial waters and economic zone of India near Kerala cost is conducted by the Marine Enforcement Wing of Department of Fisheries in coordination with Indian Coastal guard and Indian Navy. The bases of rescue operations are five Fisheries Stations. The operational areas of these stations are the entire territorial waters and economic zone adjoining to the respective coast line.

Table 26

Fisheries stations and their operational Area

Sl. No.	Fisheries Station	Operational Area	
		Coastal Length (Kms.)	Location
1	Vizhinjam, Thiruvananthapuram	80	Kollankode to Varkala
2	Neendakara, Kollam	130	Varkala to Anthakaran Azhi
3	Vypin, Eranakulam	100	Anthakaran Azhi to Chettuvai
4	Beypore, Kozhikkode	135	Chettuvai to Mahe
5	Kannur	145	Mahe to Manjeswaram
	Total	590	

Table 27

No. of sea patrollings, rescue operations & fishermen rescued during 2012-13, 2013-14 & 2014-15

	No. of sea patrollings conducted	No. of rescue operations conducted	No. of fishermen rescued
2011-12	1243	340	4255
2012-13	1221	411	3163
2013-14	1271	403	4083
2014-15	1140	289	3230

Registration & Licensing of fishing vessels

Fishing vessels were registered and issue license for fishing

Table 28

**The existing rates of fee for Registration and licensing of fishing vessels
as per Kerala Marine Fishing Regulation Act**

[G.O (P) No. 14/2014/F&PD dated 03-02-2014) & (G.O (P) No. 384/15 / F&PD dated 22/5/2015]

Sl. No.	Class of fishing vessel	Amount of fees (Rs.)	Amount of security to be furnished (Rs.)
Licensing			
1	Country fishing crafts fitted with mechanical means of propulsion	150	nil
2	Mechanised fishing boats upto 9 meter in length	750	1500
3	Mechanised fishing boats of more than 9 meter but less than 11.2 meter in length	1125	2000
4	Mechanised fishing boats of 11.2meter and above but less than 17meter in length	1500	3000
5	Mechanised fishing vessels above 17 meter up to 20 meter in length	2250	4500
6	Mechanised fishing vessels above 20 meter at 25 meter in length	5000	25000
7	Mechanised fishing vessels above 25 meter in length	10000	50000
Registration			
1	Non-mechanised country crafts	75	
2	Country -crafts fitted with Mechanical means of propulsion	up to 10 HP	150
		above 10 HP	300
3	Mechanised fishing boats up to 36' in length	375	
4	All other kinds of vessels	750	
5	Hull length above 20 meter up to 25 meter	10000	
6	Hull length above 25 meter	20000	

Table 29

Details of fishing vessels registered in Kerala as on 11/11/2015

Sl. No.	Vessel Type	Number of vessels registered as on 11/11/2015
Motorised non Mechanical		
1	Thanguvallom-OM	206
2	Kattamaram	52
3	Plywood Canoe-OM	4882
4	Fibre Craft-OM	2755
5	Fibre Craft	7477
6	Traditional Canoe-OM	5329
7	Fibre Canoe	2770
8	Plywood Canoe	5564
Motorised non Mechanical Total		29035
Motorised Mechanical		
1	Gillnetter	279
2	Inboard engine fitted craft	240
3	Trawler	2644
4	Thanguvallom-IE	656
Motorised Mechanical Total		3819
Non Motorised		
1	Fibre Craft-NM	545
2	Plywood Canoe-NM	349
3	Karamadi	53
4	Traditional Canoe-NM	755
5	Kattamaram	579
Non motorised Total		2281
GRAND TOTAL		35135

Trawl Ban

For enhancing and protecting fisheries resources 47 days trawl ban imposed during June- July. As a fisheries management tool annual trawl ban was imposed in the state during the months of June –July since 1988. Trawl Ban imposed in the state for 47 days from the midnight of 14th June to the midnight of 31st July

Table 30

Annual Trawl Ban Periods in Kerala since inception

Year	Period		No. of Days	Remarks
	From	To		
1988	02.07.1988	31.08.1988	61	Except Neendakara
1989	20.07.1989	31.08.1989	43	Complete
1990	28.06.1990	21.07.1990	24	"
1991	15.07.1991	13.08.1991	30	"
1992	21.06.1992	03.08.1992	44	"
1993	15.06.1993	15.07.1993	45	"
1994	15.06.1994	29.07.1994	45	"
1995	15.06.1995	29.07.1995	45	"
1996	15.06.1996	29.07.1996	45	"
1997	15.06.1997	29.07.1997	45	"
1998	15.06.1998	29.07.1998	45	"
1999	15.06.1999	29.07.1999	45	"
2000	15.06.2000	29.07.2000	45	"
2001	15.06.2001	29.07.2001	45	"
2002	15.06.2002	29.07.2002	45	"
2003	15.06.2003	29.07.2003	45	"
2004	15.06.2004	29.07.2004	45	"
2005	15.06.2005	29.07.2005	45	"
2006	15.06.2006	15.08.2006	62	"
2007	15.06.2007	31.07.2006	47	"
2008	15.06.2008	31.07.2008	47	"
2009	15.06.2009	31.07.2009	47	"
2010	15.06.2010	31.07.2010	47	"
2011	15.06.2011	31.07.2011	47	"
2012	15.06.2012	31.07.2012	47	"
2013	15.06.2013	31.07.2013	47	"
2014	15.06.2014	31.07.2014	47	"
2015	15.06.2015	31.07.2015	47	"

Free Ration

During trawl ban period, department is providing free ration to the traditional fishermen engaged in trawling.

Table 31

Details of Free Ration

Districts	2011-12		2012-13		2013-14		2014-15	
	No. of families	Amount utilized Rs. in lakh	No. of families	Amount utilized Rs. in lakh	No. of families	Amount utilized Rs. in lakh	No. of families	Amount utilized Rs. in lakh
Kollam	6304	1.83	3974	1.09	3423	1.11	5076	0.75
Alappuzha	12107	6.01	8448	2.78	5708	1.45	5105	1.65
Eranakulam	6103	2.36	3571	1.09	3397	0.64	2364	0.55
Trissur	229	0.07	229	0.04	261	0.05	321	0.05
Malappuram	557	0.19	522	0.11	654	0.11	437	0.09
Kozhikkode	1883	0.76	1979	0.47	2591	0.52	1839	0.47
Kannur	138	0.08	187	0.05	168	0.05	226	0.06
Kasaragod	252	0.08						
TOTAL	27573	11.38	18910	5.63	16202	3.92	15368	3.62

Savings-cum Relief scheme (off season relief to marine fishermen)

The scheme is intended to provide off season relief to fishermen both inland & marine. An amount of Rs 900/ collected in 9 installments from July to April from the marine fisherfolk and an amount of Rs. 2700/ released to them in 3 installments during lean season from May to July.

Table 32

**No. of Marine fisherfolk under Savings cum Relief Scheme
from 2010-11 to 2014-15**

Sl No	Name of District	Number of beneficiaries				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	Thiruvananthapuram	32962	30427	29137	31742	35551
2	Kollam	25420	28256	26944	27642	28982
3	Alappuzha	29993	34553	33253	33913	34556
4	Ernakulam	15267	16120	16248	16749	16705
5	Thrissur	5895	6109	6018	5778	5607
6	Malappuram	17505	18434	14948	14958	15627
7	Kozhikode	21150	21310	19470	20334	20710
8	Kannur	3666	2564	3336	3336	3823
9	Kasargode	7942	7611	7331	8089	8453
Total		159800	165384	156685	162541	170014

Suitable components of Fishing gear (Assistance for purchasing fishing gear)

The scheme envisages assisting the traditional fishermen for the purchase of fishing gear to be used in their country crafts, by passing on subsidy limited to the cost or Rs. 6000/- whichever is less. Under the scheme fishermen who own crafts fitted with the Out Board Motors below 10HP only are eligible for this subsidy. The assistance will be given only once to a fishermen.

The scheme is implementing through Matsyafed

Table 33

Year-wise details of the scheme 'Suitable components of fishing gear"

Year	No. of beneficiary groups assisted	Subsidy released (Rs. in Lakh)
1996-97	83	5.00
1997-98	165	10.00
1998-99	....	....
1999-00	334	20.00
2000-01	255	15.00
2001-02	250	15.00
2002-03	116	7.00
2003-04	....	....
2004-05	70	4.25
2005-06	50	3.00
2006-07	....	....
2007-08	167	10.00
2008-09	333	20.00
2009-10	650	40.00
2010-11	667	40.00
2011-12	667	40.00
2012-13	833	50.00
2013-14	833	50.00
2014-15	333	20.00
Total	5806	349.25

Source – Matsyafed

Bankable scheme

The scheme envisages passing on subsidy for bank loans for fishing inputs purchased by traditional fishermen. The scheme is implementing through Matsyafed since 1988-89. Matsyafed will release to the banks subsidy @25% of the loan sanctioned by the banks.

Table 34

Year-wise details of the scheme 'Bankable Subsidy'

Year	No. of beneficiary groups assisted	Subsidy released (Rs. in Lakh)
1988-89	3	10.00
1989-90	....	....
1990-91	2	....
1991-92	3	10.00
1992-93	3	....
1993-94	5	5.00
1994-95	1	5.00
1995-96	15	10.00
1996-97	78	20.00
1997-98	140	20.00
1998-99	132	20.00
1999-00	107	14.00
2000-01	78	10.00
2001-02	32	7.50
2002-03	8	2.80
2003-04	12	4.00
2004-05	49	....
2005-06	....	....
2006-07	40	5.00
2007-08	50	5.00
2008-09	28	25.00
2009-10	55	30.00
2010-11	268	30.00
2011-12	262	50.00
2012-13	262	50.00
2013-14	265	50.00
2014-15	266	50.00
Total	2164	433.3

Source – Matsyafed

Modernisation/ Motorisation of Country crafts (50% Centrally Sponsored scheme)

The scheme provides subsidy at the rate of Rs. 30000 per unit to replace outboard motors below 10HP of already motorized crafts. The scheme is implemented through Matsyafed.

Table 35

Year-wise details of 'Modernisation/ Motorisation of Country crafts'

Year	No. of beneficiary groups assisted	Subsidy released (Rs. in Lakh)
1988-89	581	16.875
1989-90	....	57.623
1990-91	765	45.000
1991-92	451	30.000
1992-93	649	25.000
1993-94	626	60.000
1994-95	93	50.000
1995-96	947	50.000
1996-97	640	50.000
1997-98	161	60.000
1998-99	600	20.000
1999-00	191	20.000
2000-01	200	20.000
2001-02	200	30.000
2002-03	300	14.000
2003-04	154	....
2004-05	42	4.250
2005-06	50	5.000
2006-07	....	....
2007-08	50	5.000
2008-09	300	30.000
2009-10	150	15.000
2010-11	70	7.000
2011-12	400	40.000
2012-13	400	40.000
Total	8020	694.748

Source – Matsyafed

**Self Employment Schemes for fisher folk with financial assistance of
NBCFDC (National Backward Classes Finance Development Corporation) &
NMDFC (National Minorities Development & finance Corporation)**

Self employment schemes for the members of fishermen families with the financial assistance of NBCFDC (National Backward Classes Finance Development Corporation) & NMDFC (National Minorities Development & finance Corporation) has been implementing in the state since 1995-96 & 1997-98 respectively. The scheme is implementing through Matsyafed.

Funding Pattern

NBCFDC /NMDFC	: 85%
Matsyafed	: 10%
Beneficiary Contribution	: 5%

The following schemes are implemented under the scheme

1. Term Loan Schemes

Self employment programmes under the following sectors are being assisted under the scheme.

- a) Agriculture & allied including fishing inputs
- b) Technical Trade
- c) Small Business
- d) Artisan & traditional occupation
- e) Transport & Service Sector

These loans are secured loans released to individuals. Maximum individual loan limit is Rs. 2 lakh (for fishing inputs). NBCFDC /NMDFC releases 85% of the loan amount @ 3.5% interest and Matsyafed distribute the loan with 10% contribution @ 6% interest to the beneficiaries. The loan amount is repayable maximum in 5 years

2. Educational Loans

Educational loans are released to the children from fishermen families for professional courses. Maximum loan amount is Rs 2.50 lakh i.e Rs. 0.50 lakh per year. NBCFDC /NMDFC releases the loan amount @ 1% interest and the loans distributed to the beneficiaries @ 3% interest. The loan is repayable maximum in 5 years after completion of the course.

3. Micro Finance Scheme

The scheme is implementing among the fishermen Self Help Groups organised under Primary fishermen Co-operatives. A maximum loan limit to individual is Rs. 10,000 with a repayment period of maximum 2 years @6% interest.

These schemes are eligible for the fishermen families belonging to backward classes or minority classes accordingly, whose family income is less than Rs. 55,000/- in urban areas and below Rs. 40000/- in rural areas

Table 36

**Year-wise details of Term Loan through
NBCFDC (National Backward Classes Finance Development Corporation)**

	Amount Received (Rs. in lakh)	Details of amount distributed (Rs in lakh)				No. of beneficiaries
		NBCFDC share	Matsyafed share	Beneficiary contribution	Total amount	
1995-96	40.69	40.69	4.79	2.39	47.87	300
1996-97	34.68	34.68	4.08	2.04	40.8	290
1997-98	90.01	90.01	10.59	5.74	106.34	836
1998-99	190.00	190.00	19.00	9.50	218.5	1365
1999-00						
2000-01	398.00	398.00	46.81	23.85	468.66	2035
2001-02	283.07	283.07	33.30	16.65	333.02	1192
2002-03	58.07	58.07	6.83	3.42	68.32	321
2003-04	31.38	31.38	3.69	1.85	36.92	75
2004-05						
2005-06	13.11	13.11	1.54	0.77	15.42	36
2006-07	158.93	158.93	18.70	9.35	186.98	296
2007-08	200.00	200.00	23.58	11.79	235.37	347
2008-09	200.00	200.00	23.58	11.79	235.37	376
2009-10	600.00	600.00	70.74	35.37	706.11	3605
2010-11	600.00	600.00	70.60	35.30	705.9	1539
2011-12	300.00	300.00	35.30	17.65	352.95	343
2012-13	1000.00	1000.00	117.65	58.82	1176.47	632
2013-14	500.00	500.00	58.82	29.41	588.23	439
2014-15	500.00	500.00	58.82	29.41	588.23	420
	5197.94	5197.94	608.42	305.1	6111.46	14447

Source – Matsyafed

Table 37

**Year-wise details of Term Loan through
NMDFC (National Minority Development Finance Corporation)**

	Amount Received (Rs. in lakh)	Details of amount distributed (Rs in lakh)				No. of beneficiaries
		NMDFC share	Matsyafed share	Beneficiary contribution	Total amount	
1998-99	152.31	152.31	17.92	8.96	179.19	690
1999-00	78.50	78.50	9.24	4.62	92.36	471
2000-01	119.34	119.34	14.04	7.02	140.40	595
2001-02	200.00	200.00	23.53	11.76	235.29	705
2002-03	100.00	100.00	11.76	5.88	117.64	394
2003-04	150.00	150.00	17.65	8.82	176.47	365
2004-05	55.00	55.00	6.47	3.24	64.71	131
2005-06	0	0	0	0	0	0
2006-07	180.00	180.00	21.18	10.59	211.77	323
2007-08	300.00	300.00	35.29	17.65	352.94	537
2008-09	150.00	150.00	17.65	8.82	176.47	299
2009-10	250.00	250.00	29.41	14.71	294.12	369
2010-11	413.91	413.91	48.70	24.35	486.96	597
2011-12	350.00	350.00	41.18	20.58	411.76	426
2012-13	350.00	350.00	41.18	20.60	411.78	300
2013-14	100.00	100.00	11.76	5.88	117.64	103
2014-15	200.00	200.00	11.76	5.88	217.64	167
	3149.06	3149.06	358.72	179.36	3687.14	6472

Source – Matsyafed

Table 38
**Year-wise details of Educational Loan through
NBCFDC (National Backward Classes Finance Development Corporation)**

	Amount Received (Rs. in lakh)	Details of amount distributed (Rs in lakh)				No. of beneficiaries
		NBCFDC share	Matsyafed share	Beneficiary contribution	Total amount	
2000-01	0.7	0.7	0.05	....	0.75	1
2001-02	0.7	0.7	0.05	....	0.75	1
2002-03	1.48	1.48	0.16	....	1.64	4
2003-04	0.27	0.27	0.01	....	0.28	1
No funds during 2004-05,2005-06, 2006-07, 2007-08						
2008-09	0.95	0.95	0.05	....	1.00	1
2009-10	1.03	1.03	0.15	....	1.18	2
2010-11	4.92	4.92	0.26	....	5.18	9
2011-12	2.65	2.65	0.15	....	2.80	5
2012-13	2.75	2.75	0.15	....	2.90	3
2013-14						
2014-15	1.67	1.67	0.08	....	1.75	2
Total	17.12	17.12	1.11	....	18.23	29

Source – Matsyafed

Table 39
Details Micro Finance (MF) schemes during 2014-15

Sl. No.	District	No. of beneficiaries			Amount utilized		
		Male	Female	Total	Male	Female	Total
1	Thiruvananthapuram	800	5800	6600	120	872.07	992.07
2	Kollam	680	6140	6820	102	920.8	1022.8
3	Alappuzha	1000	8900	9900	150	1342.89	1492.89
4	Kottayam	75	685	760	11.5	104.25	115.75
5	Ernakulam	1015	10465	11480	152.2	1369.7	1521.9
6	Thrissur	265	2385	2650	40	357.7	397.7
7	Malappuram	80	720	800	12	108	120
8	Kozhikode	265	2460	2725	40	368.8	408.8
9	Kannur	90	810	900	13.5	121.5	135
10	Kasargod	168	1512	1680	25.2	226.8	252
Total		4438	39877	44315	666.4	5792.51	6458.91

Source – Matsyafed

Table 40
Details Micro Finance (MF) schemes as on 31-03-2015 since inception

District	No. of societies availed MFs	No. of groups benefitted			No. of members benefitted			Fund utilized		
		Male groups	Female groups	Total	Male groups	Female groups	Total	Male groups	Female groups	Total
Thiruvananthapuram	37	448	2281	2729	6339	35640	41979	580	8341.71	8921.71
Kollam	50	142	3476	3618	1412	26575	27987	133.15	3760.29	3893.44
Alappuzha	57	346	2104	2450	4155	26747	30902	565.67	4798.08	5363.75
Kottayam	23	20	263	283	1541	3399	4940	57.58	782.15	839.73
Ernakulam	58	379	2631	3010	4031	25752	29783	552.67	4434.09	4986.76
Thrissur	24	33	908	941	416	10338	10754	55.99	2275.72	2331.71
Malappuram	28	97	601	698	1036	6246	7282	105.4	885.25	990.65
Kozhikode	50	169	1416	1585	2171	14479	16650	246.8	3200.82	3447.62
Kannur	17	39	302	341	785	4051	4836	48.04	584.34	632.38
Kasargode	23	99	421	520	1107	4083	5190	257.47	714	971.47
Total	367	1772	14403	16175	22993	157310	180303	2602.77	29776.45	32379.22

Source – Matsyafed

'Interest Free Loan (IFL)' - Women Empowerment Programme

The scheme is implementing in the state since 2008-09 through Matsyafed. As per this scheme interest free loan, initially @Rs. 5000/- and subsequently Rs.10000/-, Rs. 15000/- & Rs. 20000/- on closure of each loan is provided to the **fisherwomen for fish vending & fisheries allied works**. The period of loan is one year

The loan amount is mobilized from NBCFDC (National Backward Classes Finance Development Corporation) & NMDFC (National Minorities Development & finance Corporation) at an interest of 6%. The interest portion of the loan is provided by the state government.

Table 41
Details of 'Interest Free Loan (IFL)' during 2014-15

Sl. No.	District	No. of beneficiaries	Fund utilized (Rs. In lakh)
1	Thiruvananthapuram	5357	749.90
2	Kollam	603	84.60
3	Alappuzha	1399	175.95
4	Kottayam	3663	269.90
5	Ernakulam	10184	1028.10
6	Thrissur	2445	162.6
7	Kannur	75	10.90
8	Kasargod	1764	316.55
Total		25490	2798.5

Table 42
Details of 'Interest Free Loan (IFL)' as on 31-03-2015 since inception

Sl. No.	District	No. of societies availed IFL's	No. of groups benefitted	No. of members benefitted	Fund utilized
1	Thiruvananthapuram	44	3800	22972	5850.65
2	Kollam	35	618	2745	617.00
3	Alappuzha	52	1174	5436	1154.70
4	Kottayam	21	1711	9659	1077.72
5	Ernakulam	60	4342	22086	4545.55
6	Thrissur	19	519	2660	284.55
7	Kozhikode	14	20	60	17.00
8	Kannur	14	216	1210	168.00
9	Kasargode	24	578	3139	1121.00
Total		283	12978	69967	14836.17

Source – Matsyafed

National Co Operative Development Corporation (NCDC) assisted Integrated Fisheries Development Projects (IFDP)

The NCDC assisted Integrated Fisheries Development Projects (IFDP) are implemented as 90% Centrally Sponsored Scheme implemented for assisting fishermen of Kerala. The implementing agency is Matsyafed and the assistance is provided as loan with subsidy. The loan is distributed to the fishermen through the Primary Fishermen Development and Welfare Co-Operative societies affiliated to Matsyafed. Loan is provided for procuring fishing implements such as Craft(Vallom), Out Board Engines and Webbings in kind, infrastructure facilities for fish marketing & processing to the primaries for the benefit of member fishermen and Working Capital for fish vending and Marketing.

Fifteen number of Integrated Fishery Development Projects (IFDP) has been implemented in the state with the assistance of National Co-operative Development Corporation (NCDC) since its inception in 1984.

The Objectives of the project are:

- *To provide a mix of service to member fishermen through the Primary societies for the sustainable maintenance of fishing units.*
- *Intervention in the secondary marketing chain and better realization for the produce of the member fishermen.*
- *To provide necessary infrastructure facilities to the primary co-operatives to support and tackle the more organized market forces.*
- *To develop the Primary Co operatives as self-reliant profit centers through service marketing.*
- *To generate more employment opportunities for women in fishing communities.*
- *To create awareness among members in social participation and Institutionalization*

About 98000 fishermen were assisted so far under NCDC assisted IFDP schemes. The total dues of the schemes implemented upto 2007 December were set off in the debt relief scheme of Govt. of Kerala. Debt relief for a total amount of Rs.115 crores including interest and penal interest of 48355 fishermen was provided. The interest and penal interest were waived by Matsyafed and primary co-operatives and Principal amount of Rs.54 crore was converted as share capital of Govt. of Kerala in Matsyafed and primary societies. The loan repayment of schemes implemented after debt relief, to GOK is 100%.

The NCDC assisted Integrated Fisheries Development Projects (IFDP) is implemented under State plan as a 90% centrally Sponsored Scheme. The pattern of assistance from NCDC is 90% of Project cost as Loan to Government. For the fishing inputs like Out Board Motor and for marketing Infrastructure facilities GOI provided back ended subsidy to GOK. For IFDP 12-13 onwards 25% subsidy is available for fishing inputs from the Department of Marketing and Infrastructure, GOI which will be passed on to GOK through NCDC. GOK have to repay the loan less the subsidy to NCDC with interest at the prevailing rate (12.5%) within a period of 5 years without any moratorium.

Table 43

Projects implemented with the assistance of NCDC fund through Matsyafed

Sl. No	Scheme	Period of implementation	Project Outlay (Rs. in lakhs)
1	Integrated Fisheries Development Project - Phase I	1985-86 to 1990-91	555.84
2	" - Phase II	1987-88 to 1993-94	1034.28
3	" - Phase III	1991-92 to 1996-97	4228.68
4	" - Inland	1998-99 to 1999-00	636.37
5	Fish Marketing Centre	1998-99 to 2000-01	339.00
6	Integrated Fisheries Development Project - 1998-99	1998-99 to 1999-00	1989.75
7	" - 1999-00	1999-00 to 2000-01	1690.00
8	" - 2000-01	2000-01 to 2001-02	1634.85
9	" - 2001-02	2001-02	2702.50
10	IFDP Project Matsya - 2003-05	2003-05	2458.00
11	Integrated Fisheries Development Project - 2006-07	2006-08	1504.50
12	" - 2007-08	2009-11	3402.00
13	" - 2010-11	2010-11	3550.20
14	" - 2011-12	2012-13	3153.82
15	" - 2012-13	2013-14	3134.00
16	" - 2013-14	2014-15	3468.00
	" - 2014-15	2015-16	4242.66
	Total		39724.45

Source – Matsyafed

Table 44

**Total Investment on Fishing Inputs and Number of Beneficiaries Assisted
under the various NCDC Projects**

Scheme	No. of Beneficiaries.	Crafts		OBMs		Webbings	Accessories	Total Investment
		No.	Cost (Rs. in lakh)	No.	Cost (Rs. in lakh)	Cost (Rs. in lakh)	Cost (Rs. in lakh)	
IFDP I	4577	395	94.61	819	144.51	110.14	56.78	406.04
IFDP II	7223	406	175.27	816	242.4	293.8	92.21	803.68
IFDP III	20795	1962	1876.94	3687	630.33	818.48	131.96	3457.71
IFDP 98-99	4615	682	354.29	1051	599.31	217.27	31.59	1202.46
IFDP 99-00	3006	441	319.49	436	260.16	188.11	23.33	791.09
IFDP 00-01	5229	313	251.16	1087	723.91	355.12	33.1	1363.29
IFDP 01-02	5417	608	518.32	541	347.22	543.42	63.78	1472.74
IFDP 03-05	6086	409	421.07	954	611.08	534.83	33.02	1600
IFDP 06-07	3255	166	200	461	300	448	52	1000
IFDP 07-08	8604	323	471.91	1077	930.35	747.9	49.81	2199.97
IFDP 10-11	5855	492	566.56	744	791.4	853.033	43.46	2254.45
IFDP 11-12	4582	365	433.188	848	1009.076	853.701	33.391	2336.85
IFDP 12-13	4683	251	393.678	843	987.889	1067.385	50.697	2500
IFDP 13-14	3338	245	495.3	647	732.963	827.105	37.283	2092.652
TOTAL	87265	7058	6571.786	14011	8310.598	7858.294	732.411	23480.932

Source – Matsyafed

Table 45

IFDP 2013-14: Project Funding from NCDC to Govt. of Kerala (Rs. in lakh)

Sl. No	Components	Outlay	Loan	Subsidy	Total
1	Supply/distribution of fishing inputs	2600	1690	650	2340
			65%	25%	90%
2	Input Security	104	0	0	0
3	Working Capital Assistance for Fish Auction & Marketing	554	554	0	554
			100%		100%
4	Office cum Godown facilities to MATSYAFED District offices and Primaries	90	81	0	81
			90%		90%
5	Assistance to men vendors for marketing inputs	80	72	0	72
			90		90%
6	Project Management	30	0	0	0
7	Extension and Training	10	0	0	0
TOTAL		3468	2397	650	3047

Source – Matsyafed

Table 46

IFDP 2013-14: Project Funding from NCDC to Govt. of Kerala (Rs. in lakh)

No	Components	Outlay	Loan	Subsidy	Total
1	Supply/distribution of fishing inputs	3333.33	2500	500	3000
			75%	15%	90%
2	Input Security	133.33	0	0	0
3	Working Capital Assistance for Fish Auction & Marketing	670	670	0	670
			100%		100%
4	Office cum Godown facilities to MATSYAFED District offices and Primaries	51	45.9	0	45.9
			90%		90%
5	Assistance to men vendors for marketing inputs				
6	Project Management	40	0	0	0
7	Extension and Training	15	0	0	0
TOTAL		4242.66	3215.90	500	3715.90

Source – Matsyafed

Table 47

IFDP 2013-14: Project Funding from Govt. of Kerala to MATSYAFED/Societies (Rs. In Lakh)

Sl. No	Components	Outlay	Loan	Subsidy	DMI Grant	Share Capital	Total	Beneficiary Contribution
1	Supply/distribution of fishing inputs	2600	1365	0	650	325	2340	260
			52.50%		25%	12.50%	90%	10%
2	Input Security	104		52			52	52
				50%			50%	50%
3	Working Capital Assistance for Fish Auction & Marketing	554	277			277	554	0
			50%			50%	100%	0%
4	Office cum Godown facilities to MATSYAFED District offices and Primaries	90	49.5	20.25		11.25	81	9
			55%	22.50%		12.50%	90%	10%
5	Assistance to men vendors for marketing inputs	80	44	18		10	72	8
			55%	22.50%		12.50%	90%	10%
6	Project Management	30		30		0	30	0
				100%			100%	0%
7	Extension and Training	10		9		0	9	1
				90%			90%	10%
	TOTAL	3468	1735.5	129.25	650	623.25	3138	330

Source – Matsyafed

Table 48

IFDP 2014-15: Project Funding from Govt. of Kerala to MATSYAFED/Societies (Rs. In Lakh)

Sl. No	Components	Outlay	Loan	Subsidy	CSISAC Grant	Share Capital	Total	Beneficiary Contribution
1	Distribution of fishing inputs	3333.33	1750	333.33	500	416.67	3000	333.33
			52.50%	10%	15%	12.50%	90%	10%
2	Input Security	133.33		66.67			66.67	66.66
				50%			50%	50%
3	Working Capital Assistance for Fish Auction & Marketing	670	335			335	670	0
			50%			50%	100%	0%
4	Office cum Godown facilities to MATSYAFED District offices and Primaries	51	28.05	11.48		6.375	45.91	5.1
			55%	22.50%		12.50%	90%	10%
5	Project Management	40		40		0	40	0
				100%			100%	0%
6	Extension and Training	15		13.5			13.5	1.5
				90%			90%	10%
	TOTAL	4242.66	2113.05	464.98	500	758.045	3836.08	406.59

Source – Matsyafed

Welfare Schemes by Kerala Fishermen Welfare Fund Board

Pension schemes

The scheme is implementing through Kerala Fishermen Welfare Fund Board. Supporting old age fishermen , old age allied fishermen workers and the wives of deceased fishermen by providing pension @Rs.600/month.

Table 49

Number of Pensioners under Fishermen Welfare Scheme during 2014-3-14 & 2014-15

Sl. No.	District	Number of pensioners					
		2013-14			2014-15		
		Old age	Widow	Total	Old age	Widow	Total
1	Thiruvananthapuram	6030	1218	7248	7993	1310	9303
2	Kollam	5031	1074	6105	7046	1528	8574
3	Pathanamthitta	117	7	124	182	20	202
4	Alappuzha	8699	1306	10005	9444	1448	10892
5	Kottayam	1907	129	2036	2331	241	2572
6	Idukki	34	2	36	158	5	163
7	Ernakulam	5347	628	5975	6280	967	7247
8	Thrissur	1916	442	2358	2272	541	2813
9	Palakkad	76	8	84	236	15	251
10	Malappuram	2398	642	3040	2827	852	3679
11	Kozhikode	2915	647	3562	2751	1178	3929
12	Wayanad			0			0
13	Kannur	1184	380	1564	1345	387	1732
14	Kasargode	1141	408	1549	1602	403	2005
Total		36795	6891	43686	44467	8895	53362

Source: Fishermen Welfare Fund Board, Kerala

Table 50

Number of Allied Worker Pensioners during 2013-14 & 2014-15

Sl. No.	Name of Districts	No of allied worker pensioners	
		2013-14	2014-15
1	Thiruvananthapuram	49	107
2	Kollam	934	1344
3	Pathanamthitta	37	80
4	Alappuzha	671	805
5	Kottayam	9	52
6	Idukki	4	15
7	Ernakulam	888	1280
8	Thrissur	487	413
9	Palakkad	10	75
10	Malappuram	163	1172
11	Kozhikode	990	201
12	Wayanad	0	0
13	Kannur	257	282
14	Kasaragode	22	54
Total		4521	5880

Source: Fishermen Welfare Fund Board, Kerala

Group Accident Insurance Scheme to fishermen and Allied Workers

The department is implementing the insurance scheme for registered active and allied worker fishermen through Kerala Fishermen Welfare Fund Board. The government pay annual premium towards insurance company and insure the fishermen and allied workers for a period of one year. The compensation to fishermen and allied workers is as follows:

- | | |
|---|---------------|
| For accidental death | : Rs 5 lakh |
| Permanent and total disability | : Rs. 5 lakh |
| Permanent and partial disability | : Rs 2.5 lakh |
| Missing wife at fishing | : Rs. 5 lakh |
| Hospitalization expense in the event of accident: | Rs. 25000/- |

Table 51

**District-wise details of fishermen brought under Group insurance Scheme
during 2014-15**

Sl. No.	District	Active fishermen		Allied worker fishermen		Total	
		No Fishermen	Premium Amount (Rs. In lakh)	No Fisherm en	Premium Amount (Rs. In lakh)	No Fishermen	Premium Amount (Rs. In lakh)
1	Trivandrum	51812	83.25	1514	2.43	53326	85.68
2	Kollam	26129	41.98	16092	25.86	42221	67.84
3	Pathanamthitta	199	0.32	589	0.95	788	1.27
4	Alappuzha	43411	69.75	23723	38.12	67134	107.87
5	Kottayam	4722	7.59	793	1.27	5515	8.86
6	Idukki	158	0.25	55	0.09	213	0.34
7	Ernakulam	26182	42.07	14346	23.05	40528	65.12
8	Thrissur	6880	11.05	3073	4.94	9953	15.99
9	Palaghat	462	0.74	285	0.46	747	1.20
10	Malappuram	34089	54.77	4430	7.12	38519	61.89
11	Kozhikode	24455	39.29	11459	18.41	35914	57.71
12	Wayanad	0	0.00	505	0.81	505	0.81
13	Kannur	7297	11.72	1576	2.53	8873	14.26
14	Kasargod	10514	16.89	906	1.46	11420	18.35
TOTAL		236310	379.69	79346	127.49	315656	507.18

Thanal – Income Support Scheme to Fishermen

The department is implementing this income support scheme through Kerala Fishermen Welfare Fund Board with funding support of Labour Department. The department is supporting the fishermen who have Bio-metric ID card, with an amount of Rs. 1350 per year.

Death while fishing or immediately thereafter not due to accident:

The dependents of the fishermen who happen to die due to unexpected causes while fishing or immediately thereafter not due to accident are eligible for the benefit under the scheme. The rate of financial assistance is Rs.20, 000/-.

Financial assistance for the marriage of daughters of fishermen:

Financial Assistance @ Rs.1500/- is provided for the marriage of all daughters of fishermen.

Financial assistance for the death of dependants:

Provide financial assistance @Rs. 600/- to the fishermen to meet expenses in connection with the death of their dependents.

Financial assistance to the dependents for the death of fishermen:

On the death of a fisherman by any reason, the dependents were paid an amount of Rs.5000/- for meeting the funeral expenses. If there is no legal dependents the person who meets the funeral expenses will be paid Rs.1000/-.

Financial Assistance for treatment of Fatal diseases:

Registered fishermen who are between the age of 23 years and 60 years are eligible for financial assistance for treatment of fatal diseases. For treatment of cancer, heart diseases and kidney problems the assistance is Rs. 50000/-, for paralysis Rs. 12000/- and for mental diseases Rs. 5000/-

Table 52

Details of Welfare Relief Schemes Implemented by Kerala Fishermen's Welfare Fund Board

Sl. No	Details of Scheme	No. of beneficiaries	
		2013-14	2014-15
(1)	(2)	(3)	(4)
<u>FISHERMEN WELFARE SCHEME</u>			
1	Death of Fishermen	676	814
2	Fatal Disease	328	206
3	Old age Pension	36795	44467
4	Widow pension	6891	8895
5	Marriage assistance	1314	2850
6	Special Sanction	0	0
7	Death of dependents	257	853
8	Maternity assistance	73	140
9	Temporary disability	95	85
10	Sterilization Operation	61	26

(1)	(2)	(3)	(4)
11	Chairman's Relief Fund	35	28
12	SSLC- Cash Award	209	285
13	Plus-2- Cash Award	27	31
14	Invalid Pension	2	2
15	Death while/after fishing	62	59
16	Insurance Compensation for uncovered period	0	0
17	Group insurance Premium	234904	236310
18	Craft insurance Premium	39	14
	Sub Total	281768	295065
	<i>Other Schemes</i>		
	Sports Promotion to Schools/individuals	27	28
	Special tuition assistance to schools for SSLC	0	0
	Bio-metric ID card Survey	0	0
	Tanal Scheme	165447	191713
	Sub Total	165474	191741
	<i>Matsya Suraksha Scheme Compensation (Insurance Compensations)</i>		
	a) Death/Missing	91	201
	b) Permanent Total Disability/Permanent Partial Disability	4	7
	c) Funeral expense	39	50
	d) Education Fund for two children of deceased	26	14
	e) Hospitalisation expenses for accident cases	122	88
	f) Craft Insurance compensation	5	1
	Sub Total	287	361
Fishermen Welfare Scheme Total		447529	487167

(1)	(2)	(3)	(4)
<i>ALLIED WORKERS WELFARE SCHEME</i>			
1	Death of Allied worker	91	114
2	Fatal diseases	57	44
3	Old age Pension	4521	5880
4	Marriage Assistance	177	311
5	Special sanction	0	0
6	Maternity Assistance	20	24
7	Sterilization Operation	5	18
8	SSLC- Cash Award	35	46
9	Plus-2- Cash Award	5	8
10	Group Insurance Premium (Matsya Suraksha Scheme)	76510	79346
	Sub Total	81421	85791
<i>Matsya Suraksha Scheme Compensation (Insurance Compensations)</i>			
1	Death/Missing	6	15
2	Funeral Expenses	3	3
3	Education Fund for two children of deceased	2	4
4	Hospitalization expenses for accident cases	16	18
	Sub Total	27	40
Allied Workers Welfare Scheme Total		81448	85832
GRAND TOTAL		528977	572998

Assistance to Fisherwomen SHG's

Society for Assistance to Fisherwomen (SAF) is an agency created under Department of Fisheries, Government of Kerala for the overall development of fisherfolk in the state. The agency aims at the upliftment of socio-economic status of fisherwomen thereby pave way for the local level development. In order to graduate the fishermen into the main stream, SAF initiated and developed the entrepreneurial competency among fisherwomen and established a number of microenterprises to tap the local resources. The goal was achieved by creating small activity based groups of fisherwomen and extended financial, technological and managerial support to set up small enterprises. Theeramythri Project is implementing by SAF since 2010.

The following are some of the major component wise details of Theeramythri Project 2014-15.

1. Development of Micro enterprises (DME)

This is an alternative lively hood project for the beneficiary groups by generating income through commencement of Micro enterprises. It is intended to promote 160 numbers of new fisherwomen groups in the existing and new areas. Groups and micro enterprises were selected through a proper appraisal process in order to enhance the chances of business success. For the new groups being formed, the unit cost would be limited to a maximum of 80%. The grant support has been estimated at an average of Rs 2.0 lakhs per activity group. 680 fisherwomen received the advantages.

Table 53

District-wise details of Development of Microenterprises during 2014-15

Sl.No	Districts	No. of units benefitted	No. of women benefited	Subsidy (Rs. in lakh)
1	Thiruvananthapuram	18	72	18.51
2	Kollam	30	120	43.19
3	Alappuzha	12	48	12.71
4	Ernakulam	20	80	30.79
5	Thrissur	32	128	43.88
6	Malappuram	7	28	10.01
7	Kozhikkode	31	124	41.15
8	Kannur	12	48	11.65
9	Kasaragod	8	32	7.22
TOTAL		170	680	219.11

Source: SAF

2. Shift to Appropriate Business

Some units were started their livelihood activities without knowing the proper where-about of their business activity. After commencement of the business they will fall units loss. Under the Shift to Appropriate Business scheme, strategic and managerial support were given to such units for starting a new business which is known to them and given an additional financial assistance of 50 % of the total project cost with a maximum amount of Rs. 50,000/-.

Table 54

District-wise details of Shift to Appropriate Business during 2014-15

Sl. No.	Name of Districts	No. of units benefitted	No. of women benefited	Amount (Rs in lakh)
1	Thiruvananthapuram	2	8	0.89
2	Kollam	2	8	1.50
3	Alappuzha	4	16	2.00
4	Ernakulam	3	12	1.39
5	Thrissur	4	16	1.80
6	Malappuram	3	12	1.49
7	Kozhikkode	3	12	1.42
8	Kasaragod	2	8	1.04
TOTAL		23	92	11.54

Source: SAF

3 Branding & Marketing

The assistance is provided to market the products produced by the activity groups by helping them in participating in melas, fares, exhibition, providing transport facility, marketing strategy preparation etc. This would help strengthen the Theeramythri and related branding.

Table 55

District-wise details of Branding & Marketing during 2014-15

Sl. No.	Name of Districts	No. of units benefitted	No. of fisherwomen benefited	Amount (Rs in lakh)
1	Thiruvananthapuram	122	488	1.94
2	Kollam	123	492	3.68
3	Alappuzha	115	460	2.13
4	Ernakulam	134	536	3.68
5	Thrissur	108	432	3.29
6	Malappuram	55	220	0.77
7	Kozhikkode	113	452	0.97
8	Kannur	50	200	0.97
9	Kasaragod	35	140	0.58
TOTAL		855	3240	18.00

*Source: SAF***4. Capacity Building Programme**

The Activity Groups were given various trainings before commencement of the business. Trainings such as Sensitization, Opportunity Guidance, Achievement Motivation Training, Management Training, Skill Training, Trainings are Accounting & Book keeping are given to the activity groups so as to perform well in the markets and other areas.

Table 56

District-wise details of Capacity Building Programme during 2014-15

Sl. No.	Name of Districts	No. of units benefitted	No. of fisherwomen benefited	Amount (Rs in lakh)
1	Thiruvananthapuram	121	484	1.39
2	Kollam	95	380	3.46
3	Alappuzha	101	404	2.31
4	Ernakulam	98	392	2.31
5	Thrissur	55	220	1.15
6	Malappuram	25	100	0.46
7	Kozhikkode	10	40	0.46
8	Kannur	5	20	0.23
9	Kasaragod	5	20	0.23
TOTAL		515	2060	12.00

Source: SAF

4. Health camps / Checkups programme

This component aims to help the coastal poor fisherwomen to check their general health problems by conducting medical camps in coastal areas. Medical camps are conducted by qualified doctors and nurses from reputed hospitals. Free check up and free medicines were provided. It was organized with the help of NRHM, Amritha Institute of Medical Science, etc. A total of 7401 fisherwomen received the advantages.

Table 57
Details of Health camps / Checkups programme during 2014-15

Sl. No.	Districts	Date	Venue of Camp	Name of Depts.	No. of participants benefited
1	Trivandrum	16.05.15	Pulluvila	Gynecology, General Physician, Pediatrics, Skin	427
2	Kollam	12.03.15	Sakthikulangara	Gynecology, Ortho, Ophthalmology, Dermatology, ENT, Dental, General Medicine	1170
3	Alappuzha	21.02.15 & 29.03.15	Purakkadu , Arthugal	Gynecology, General Medicine, Skin, Life style, Ophthalmology, Dental	1790
4	Kottayam	13.01.15	Thalayazham	Gynecology, Orthopedic, Pediatrics, ENT, General Medicine	303
5	Ernakulam	08.01.15	Kumbalam	Gynecology, Ophthalmology, Dental, ENT, General Surgery, General Medicine	1050
6	Thrissur	28.03.15	Kodungalloor	Gynecology, General Medicine, Orthopedic, ENT, Ophthalmology, Dental, Dermatology	672
7	Malappuram	26.02.15	Thanoor	Gynecology, Orthopedic, Pediatrics, ENT, General Medicine	756
8	Kozhikode	28.03.15	Kuttichira	Gynecology, Cardiology, ENT, Orthopedic, General Medicine	632
9	Kannur	07.05.15	Azheekal	Gynecology, ENT, Ophthalmology, Skin, Ortho	447
10	Kasargod	07.04.15	Kanhagad	Gynecology, General Medicine, ENT, Pediatrics, General Surgery	154
TOTAL					7401

Source: SAF

4. Finishing School

One month class room and one month on job training has given to the fisherwomen youths for development of their soft skills, leadership skills, social capital image development, customer service centre, communication skills etc. Under this scheme opportunities are also directed to the eligible students for getting placement in their respective areas.

Table 58
**Details of Finishing school programme for
fisherwomen youths during 2014-15**

Sl. No.	District	Students attended
1	Alapuzha	37
2	Ernakulam	32
3	Kottayam	33
Total		102

Source: SAF

5. Working Capital Revolving Fund

Working Capital revolving fund helps the activity groups for getting financial assistance from SAF, without interest, for developing their business activities. A group will get a maximum amount of Rs. 60,000/- as revolving fund. The group will repay the amount in 20 equal installments. 1904 fisherwomen benefited during 2014-15.

Table 59
**Number of Fisherwomen benefitted by
Working Capital Revolving Fund by SAF during 2014-15**

Sl.No	Districts	No. of fisherwomen benefited
1	Thiruvannathapuram	232
2	Kollam	288
3	Alappuzha	160
4	Ernakulam	356
5	Thrissur	256
6	Malappuram	168
7	Kozhikkode	360
8	Kannur	76
9	Kasargod	8
TOTAL		1904

Source: SAF

Commercial units under Matsyafed

The commercial units under Matsyafed assist fishermen to get best quality inputs at lower cost in their fishing villages and support them in marketing their output.

Fish Net Factories: There are two fish net factories-one at Cochin and other at Kannur focusing on traditional sector webbings. Other fishing accessories like ropes, floats, twine etc are being traded through these units.

OBM Division: imports Out Board Motors from Japan (mainly Suzuki motors) and sells it directly to fishermen through Vyasa stores. It has about 13 workshops in different parts of Kerala to take care of the repair and service of the engines. It also deals with electronic items like Eco Sounder, VHF radios, insulated boxes, crates etc.

Ice and Freezing Plant : It focuses on the processing of Tuna and exports different fish products to different countries. The plant has a special facility called tuna terminal to export high value tuna products to developed markets

Fish Manure Plants: There are two Fish Manure Plants-one at Azheekkod in Thrissur District and other at Kozhikkode. The fish manure is well accepted among the farmers and is used widely under the Peoples Plan Programme.

Chitosan Plant: produces different grades of chitin and chitosan from the prawn shell waste

Diesel Bunks: There are 6 diesel bunks under Matsyafed to provide quality diesel to the fishermen They are

<u>District</u>	<u>Location</u>
Kollam	1 Sakthikulangara (IOC)
	2 Neendakara (HPCL)
Eranakulam	3 Cochin (Along with Ice & Freezing Plant) (IOC)
Trissur	4 Azheekkod (BPCL)
Kozhikkode	5 Puthiyappa (IOC)
Kasaragod	6 Cheruvathur (HPCL)

Kerosene bunks: For distributing white kerosene at subsidised rate to fishermen for fishing purpose, Matsyafed has set up kerosene bunks in coastal districts in collaboration with Government owned Oil companies They are

<u>District</u>		<u>Location of Bunk</u>	<u>Tank Capacity</u>
Thiruvananthapuram	1	Vizhijam Harbour	40 KL
	2	Marianad, Kadinamkulam	20 KL
Kollam	3	Neenadakara	20 KL
	4	Vaddy, Thankassery (<i>under construction</i>)	20 KL
Alappuzha	5	Valanjavazhi, Ambalapuzha	20 KL
	6	Arthunkal, Cherthala	20 KL
Ernakulam	7	Thoppumpadi, Kochi	20 KL
Thrissur	8	Azheekode, Thrissur	20 KL
Malappuram	9	Ponnani	20 KL
	10	Unniyal, Thanur	20 KL
Kozhikode	11	Puthiappa Hr	20 KL
Kannur	12	Mopla Bay Hr	20 KL
Kasaragode	13	Kasaba	20 KL

Table 60
**Performance of the Commercial Units under Matsyafed
for 2013-14 & 2014-15**

			2013-14	2014-15	
Production					
Sl. No.	Unit	Production (in MT)	Sale (Rs.in lakh)	Production (in MT)	Sale (Rs.in lakh)
1	Matsyafed Net Factory, Cochin	466.3	4275.22	491.87	4142.89
2	Matsyafed Net Factory, Kannur	195.88	938.42	237.12	972.96
3	Matsyafed OBM Division, Cochin		2176.94		2117.29
4	Matsyafed Ice & Freezing Plant, Cochin	880.86	1714.65	781.16	1422.19
5	Fish Manure Plant, Azheekode	2620.82	237.16	3445	312.66
6	Fish Manure Plant, Kozhikkode	2799.5	297.54	2608.1	232.46
7	Matsyafed Chitosan Plant, Kollam	-	91.9	-	33.894
Export					
	Unit	Quantity (in MT)	Value (Rs.in lakh)	Quantity (in MT)	Value (Rs.in lakh)
1	Matsyafed Ice & Freezing Plant, Cochin	720.52	1054.4	615.931	604.61

Source: Matsyafed

Table 61
Export of Fish products from Matsyafed Ice & Freezing plant, Cochin during 2013-14

Destination	Item	Quantity (in MT)	Value (Rs. in lakh)
Srilanka	1 Skipjack Tuna	56	53.77
„	2 Yellow Fin Tuna	183	230.67
„	3 Trevally	6	6.16
Libya	Yellow Fin Tuna	102.5	317.74
Oman	1 Yellow Fin Tuna	56	67.35
„	2 Skipjack Tuna	28	36.08
Tunisia	Skipjack Tuna	114	120.74
UAE	1 Skipjack Tuna	28	21.26
„	2 Yellow Fin tuna	11.26	40.43
Singapur	Yellow Fin Tuna	52	81.52
Algeria	Skipjack Tuna	28	31.94
Thayland	Yellow Fin Tuna	27.74	34.79
Indonesia	Yellow Fin Tuna	28.02	12
	TOTAL	720.52	1054.45

Source: Matsyafed

Table 62
Export of Fish products from Matsyafed Ice & Freezing plant, Cochin during 2013-14

Destination	Item	Quantity (in MT)	Value (Rs. in lakh)
Srilanka	1 Yellow Fin Tuna	257	271.17
„	2 Skipjack Tuna	105	83.15
Tunisia	Skipjack Tuna	202	178.09
Oman	Yellow Fin Tuna	26	36.54
Thayland	Yellow Fin Tuna	25	32.09
UAE	Chilled Grouper Fish	0.838	3.06
Hong kong	Chilled Grouper Fish & Lady Fish	0.093	0.52
	TOTAL	615.931	604.62

Source: Matsyafed

Table 63
FISH AUCTION (TRADITIONAL CRAFT) DETAILS FOR 2013-14 & 2014-15– MATSYAFED

Sl No	District	No. of societies in auction	No. of groups participating in auction	No. of members enrolled as per APR	Quantity of fish auctioned (in Tonne)	Value of fish auctioned (Rs. in Lakhs)	Federation commission (Rs. in lakhs)	Amount retained from auction as savings	Per capita income (Au.value/No. of Membs) Rs.	Per kg rate (Auction value / Qty in kg) Rs.
2013-14										
1	Thiruvananthapuram	35	1,876	14,764	13,842	6,921	69.21	138.42	46,879	50
2	Kollam	29	916	6,402	16,157	9,065	92.06	70.16	1,41,589	56.1
3	Alappuzha	42	740	4,611	4,902	2,760	32.15	39.04	59,857	56.3
4	Kottayam	4	77	154	71	132	1.33	2.66	85,578	186.62
5	Ernakulam	21	308	4,148	10,872	2,570	24.95	39.3	61,961	23.64
6	Thrissur	13	132	2,039	5,196	2,484	26.98	24.73	1,21,811	47.8
7	Malappuram	26	147	2,577	6,075	1,821	19.51	15.27	70,659	29.97
8	Kozhikode	44	601	5,667	23,264	4,869	49.6	28	85,916	20.93
9	Kannur	13	126	940	1,659	456	4.56	4.1	48,561	27.52
10	Kasaragod	21	156	2,029	2,738	1,064	15.01	6.43	52,417	38.84
TOTAL		248	5079	43331	84776	32142	335.36	368.11	74176	37.91
2014-15										
1	Thiruvananthapuram	32	1,890	14,831	12,087	5,257	52.56	105.12	35,445	43.49
2	Kollam	27	943	6,522	9,984	6,709	67.8	63.46	1,02,874	67.2
3	Alappuzha	43	710	4,486	2,976	2,040	21.22	26.84	45,466	68.54
4	Kottayam	3	104	208	96	189	1.89	3.78	91,101	197.69
5	Ernakulam	21	157	1,806	8,499	2,688	27.83	41.12	1,48,838	31.63
6	Thrissur	13	131	1,897	7,181	2,525	26.7	26.03	1,33,105	35.16
7	Malappuram	25	135	2,095	4,585	1,712	16.18	14.65	81,711	37.34
8	Kozhikode	45	565	5,383	16,502	3,896	38.17	28.61	72,383	23.61
9	Kannur	12	121	985	2,295	675	6.7	2.7	68,541	29.42
10	Kasaagod	20	156	2,018	2,472	1,074	13.73	8.55	53,221	43.45
TOTAL		241	4,912	40,231	66,677	26,765.00	272.78	320.86	66,530	40.14

Source: Matsyafed

Export of Marine Products

The Marine Products Export Development Authority (MPEDA) is the nodal agency for promotion of seafood exports from India. MPEDA functions under the Ministry of Commerce, Government of India and acts as a coordinating agency with different Central and State Government establishments engaged in fishery production and allied activities.

**Table 64
Export of Marine Products from Kerala during 2012-13, 2013-14 & 2014-15**

Sl. No	Items	2012-13		2013-14		2014-15	
		Quantity (in MT)	Value (Rs.in Cr.)	Quantity (in MT)	Value (Rs.in Cr.)	Quantity (in MT)	Value (Rs.in Cr.)
1	Frozen Shrimp	37213	1449.15	45082	2276.61	54438.36	2855.96
2	Frozen Fish	55563	484.98	43820	548.06	21273.46	472.40
3	Frozen Cuttle fish	19655	536.85	24972	604.80	31604.21	813.95
4	Frozen Squid	25919	548.95	36606	836.43	36523.90	473.85
5	Dried Items	11924	83.39	126	5.45	2213.97	27.50
0	Live items	372	43.02	391	52.49	463.51	50.35
7	Chilled items	4048	115.66	4839	165.98	4717.74	169.32
8	Others	11705	173.85	9863	216.54	15518.44	302.74
		166399	3435.85	165699	4706.36	166754	5166.07

Source: MPEDA

**Table 65
Export of Marine Products from India during 2012-13, 2013-14 & 2014-15**

Sl. No.	Items	2012-13		2013-14		2014-15	
		Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)
1	Frozen Shrimp	228620	9706.36	301435	19368.30	357505	22468.10
2	Frozen Fish	343876	3296.86	87437	1731.97	69569	1275.25
3	Frozen Cuttle fish	63296	1354.28	68577	1386.98	82353	1833.21
4	Frozen Squid	75387	1378.08	324359	4294.81	309434	3778.50
5	Dried Items	72953	819.90	67901	998.01	70544	1010.16
6	Live items	4373	197.89	5080	281.85	5488	301.51
7	Chilled items	26868	537.11	19755	527.84	31404	635.93
8	Others	112842	1565.78	109212	1623.50	124947	2138.94
Total		928215	18856.26	983756	30213.30	1051244	33441.60

Source: MPEDA

Marine Fish Landings

For assessing marine fish landings in the state, department is conducting a sample survey 'Marine Catch Assessment Survey'. The survey is a part of Centrally Sponsored Scheme 'Strengthening of data base and Information Networking in Fisheries Sector'. The methodology adopted for collection and estimation procedure is that developed by Central Marine Fisheries Research Institute (CMFRI). The technique adopted is Stratified Multistage Random Sampling. For each calendar month, from each marine district one major and two minor landing centres are selected. Thus 27 landing centres are selected. The dates for observation and recording details are selected randomly according to the methodology. For each district, 9 clusters of 2 consecutive dates are selected. The landings are collected by observation from 12hrs. to 18 hrs. on the first day and from 6 hrs. to 12 hrs. on the second day and night landing by enquiry. The data to be collected are

1. The total number of fishing units landed by actual count and their time of arrival
2. The detailed species-wise break-up of landings and other ancillary information with regard to a selected number of fishing units
3. Data on night landings

Table 66
Details of Marine Fish Landings in Kerala and India from 2001-02 to 2014-15

Year	Landings in lakh MT	
	Kerala	India
2000-01	5.67	28.11
2001-02	5.94	28.30
2002-03	6.03	29.90
2003-04	6.09	29.41
2004-05	6.02	27.79
2005-06	5.59	28.16
2006-07	5.98	30.24
2007-08	5.86	29.20
2008-09	5.83	29.78
2009-10	5.70	31.04
2010-11	5.60	32.50
2011-12	5.53	33.72
2012-13	5.31	33.21
2013-14	5.22	34.43
2014-15	5.24	34.91

When analyzing the fish landings in Kerala, it shows a decreasing trend in the marine sector till 2013-14 and a slight increase of 2000 MT during 2014-15 from 2013-14.

Table 67
Marine Fish Landings (in MT) in Kerala from 2010-11 to 2014-15

Sl. No	Name of fish	2010-11	2011-12	2012-13	2013-14	2014-15
1	Elasmobranches	3001	2906	2884	2873	4888
2	Cat fish	167	181	179	168	1472
3	Sardine	218848	215433	202815	198364	196944
4	Anchovilla	31949	32011	31511	30857	25768
5	Saurida & saurus	5594	5483	5361	5337	3654
6	Perches	30468	29945	29358	29444	15857
7	Sciaenid	8805	8715	8613	8445	3508
8	Ribbon Fish	15196	15175	14776	14585	8465
9	Caranx	27166	26896	26595	26030	10346
10	Mackerel	44991	44485	42696	43916	74395
11	Seer fish	2537	2508	2469	2411	6575
12	Tunny	12062	11910	10458	10562	17280
13	Prawn	49308	48623	46256	43642	57390
14	Other Crustaceous	402	394	385	387	251
15	Others	109904	108512	106282	105287	97675
Total		560398	553177	530638	522308	524468

During 2014-15, mackerel, seer fish, prawn etc. shows an increasing trend while ribbon fish, anchovilla, perches etc. show a decreasing trend from the previous year. In the case of sardines, oil sardines show an increasing trend and lesser sardines a decreasing trend from previous year.

Table 68

Species Wise Marine Fish Landings (in MT) in Kerala from 2010-11 to 2014-15

Sl. No.	Name of fish	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Elasmobranches	3001	2906	2884	2873	4888
2	Eels	168	167	166	161	630
3	Cat Fish	167	181	179	168	1472
4	Chirocentrius	244	247	246	241	976
5(a)	Oil Sardines	151839	151940	143585	140383	155684
5(b)	Lesser Sardines	67009	63493	59230	57981	41260
5(c)	Hilsa Hisha	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0
5(e)	Anchovilla	31949	32011	31511	30857	25768
5(f)	Trisocles	3073	3054	3034	2972	2206
5(g)	Other Clupeids	15305	14966	14481	14276	4046
6(a)	Harpodon Nehereus	0	0	0	0	0
6(b)	Saurida & Saurus	5594	5483	5361	5337	3654
7	Hemirhamphus & Belone	701	697	692	683	379
8	Flying Fish	0	0	0	0	45
9	Perches	30468	29945	29358	29444	15857
10	Red Mullets	1621	1615	1610	1478	1060
11	Polynemids	68	67	66	66	381
12	Sciaenids	8805	8715	8613	8445	3508
13	Ribbon Fish	15196	15175	14776	14585	8465
14(a)	Caranx	27166	26896	26595	26030	10346
14(b)	Chorinemus	967	960	951	908	39
14(c)	Thachynotus	0	0	0	0	0
14(d)	Other Carangids	20757	20371	19757	19616	13758
14(e)	Coryphaena	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0
15(a)	Leiognathus	5263	5205	5141	5016	3956
15(b)	Gazza	0	0	0	0	0
16	Lactrious	3444	3412	3373	3259	647
17	Pomfrets	1543	1533	1522	1498	3069

(1)	(2)	(3)	(4)	(5)	(6)	(7)
18	Mackerel	44991	44485	42696	43916	74395
19	Seer Fish	2537	2508	2469	2411	6575
20	Tunnis	12062	11910	10458	10562	17280
21	Sphyraena	2085	2056	2025	2027	725
22	Mugil	858	856	852	849	9
23	Bregmaceros	0	0	0	0	0
24	Soles	13915	13789	13480	13405	10941
25(a)	Penaid Prawn	47620	46949	44597	42126	50947
25(b)	Non Penaid Prawn	1688	1674	1659	1516	6443
25(c)	Lobsters	402	394	385	387	251
25(d)	Crabs	4527	4513	4465	4457	8314
25(e)	Stomatopodes	9447	9411	9381	9210	0
26	Cephalopodes	14262	14047	13607	13825	34057
27	Miscellaneous	11656	11546	11433	11340	12437
	Total	560398	553177	530638	522308	524468

Table 69

Species Wise Marine Fish Landings (in MT) in Kerala from 2009 to 2014

Sl. No	Name of species	2009	2010	2011	2012	2013	2014
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Elasmobranchs	3123	3003	2909	2886	2937	4875
2	Eels	169	168	167	166	166	173
3	Cat Fish	169	167	181	179	171	1149
4	Chirocentrius	264	244	247	246	246	1006
5(a)	Oil Sardines	154247	151971	152071	149649	143459	163308
5(b)	Lesser Sardines	68633	67072	63555	62106	59439	46539
5(c)	Hilsa Ilisha	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0
5(e)	Anchovilla	32506	31972	32034	32333	31408	25626
5(f)	Trisocles	3094	3074	3055	3035	3003	2446
5(g)	Other Clupeids	15546	15314	14976	14490	14532	6519
6(a)	Harpodon Nehereus	0	0	0	0	0	0
6(b)	Saurida & Saurus	5732	5596	5486	5362	5397	2950

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
7	Hemirhamphus & Belone	707	701	697	693	692	452
8	Flying Fish	0	0	0	0	0	0
9	Perches	31107	30483	29960	29374	29866	15732
10	Red Mullets	1636	1626	1620	1614	1603	2181
11	Polynemids	69	68	67	66	66	381
12	Sciaenids	9522	8811	8721	8620	8622	4278
13	Ribbon Fish	15911	15210	15189	15023	14953	10278
14(a)	Caranx	27429	27185	26914	26614	26539	14018
14(b)	Chorinemus	978	968	961	952	936	315
14(c)	Thachynotus	0	0	0	0	0	0
14(d)	Other Carangids	21410	20765	20379	19852	19826	14096
14(e)	Coryphaena	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0
15(a)	Leiognathus	5336	5266	5208	5144	5097	3016
15(b)	Gazza	0	0	0	0	0	0
16	Lactrious	3544	3447	3416	3380	3347	1346
17	Pomfrets	1513	1544	1534	1523	1521	2283
18	Mackerel	45335	45017	44510	44237	44479	69252
19	Seer Fish	2517	2539	2510	2477	2473	5036
20	Tunny	12183	12072	11920	11950	10699	14670
21	Sphyraena	2118	2085	2056	2025	2029	744
22	Mugil	862	858	856	852	850	18
23	Bregmaceros	0	0	0	0	0	0
24	Soles	14192	13918	13792	13646	13461	9716
25(a)	Penaid Prawn	48456	47678	47007	45099	43683	53340
25(b)	Non Penaid Prawn	1714	1693	1679	1664	1652	4561
25(c)	Lobsters	412	402	394	385	387	145
25(d)	Crabs	4628	4528	4514	4466	4489	7181
25(e)	Stomatopodes	9470	9448	9411	9382	9230	198
26	Cephalopodes	14538	14269	14054	13814	13997	25643
27	Miscellaneous	11784	11660	11550	11436	11437	10197
Total		570854	560822	553600	544740	532692	523668

Table 70

Species Wise & Quarter Wise Marine Fish Landings in Kerala during 2009 & 2011 (in MT)

Sl.No	Name of species	2009				2010				2011			
		Qtr I	Qtr II	Qtr III	Qtr IV	Qtr I	Qtr II	Qtr III	Qtr IV	Qtr I	Qtr II	Qtr III	Qtr IV
1	Elasmobranchs	762	721	394	1246	705	684	373	1241	703	682	285	1239
2	Eels	54	63	25	27	54	63	24	27	54	63	23	27
3	Cat Fish	28	55	34	52	28	55	32	52	28	55	46	52
4	Chirocentrius	67	69	13	115	60	57	12	115	60	57	15	115
5(a)	Oil Sardines	40056	20825	41513	51853	39945	20891	39335	51800	39813	20833	39729	51696
5(b)	Lesser Sardines	18963	2636	30241	16793	18940	2655	28653	16824	18877	2648	25240	16790
5(c)	Hilsa Ilsha	0	0	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	6874	6669	12346	6617	6889	6685	11698	6700	6866	6666	11815	6687
5(f)	Trisocles	341	1866	291	596	339	1865	276	594	338	1860	264	593
5(g)	Other Clupeids	2756	5558	5602	1630	2828	5555	5308	1623	2819	5539	4998	1620
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	667	1908	2434	723	663	1907	2306	720	661	1902	2204	719
7	Hemirhamphus& Belone	103	137	63	404	102	137	60	402	102	137	57	401
8	Flying Fish	0	0	0	0	0	0	0	0	0			
9	Perches	4647	7671	11205	7584	4657	7806	10617	7403	4642	7784	10146	7388
10	Red Mullets	1392	103	26	115	1383	103	25	115	1378	103	24	115
11	Polynemids	0	22	17	30	0	22	16	30	0	22	15	30
12	Sciaenids	2263	2507	1721	3031	1956	2205	1631	3019	1950	2199	1559	3013
13	Ribbon Fish	4721	499	2504	8187	4297	487	2373	8053	4283	486	2383	8037
14(a)	Caranx	5661	7290	5031	9447	5624	7386	4767	9408	5605	7365	4555	9389
14(b)	Chorinemus	309	367	128	174	307	367	121	173	306	366	116	173

Sl.No	Name of species	2009				2010				2011			
		Qtr I	Qtr II	Qtr III	Qtr IV	Qtr I	Qtr II	Qtr III	Qtr IV	Qtr I	Qtr II	Qtr III	Qtr IV
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2427	4610	8395	5978	2411	4607	7954	5793	2403	4594	7601	5781
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	905	2094	1104	1233	899	2093	1046	1228	896	2087	999	1226
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0	0	0
16	Lactrious	980	797	575	1192	974	741	545	1187	971	739	521	1185
17	Pomfrets	216	274	146	877	259	274	138	873	258	273	132	871
18	Mackerel	7674	12661	9834	15166	7744	12701	9318	15254	7718	12665	8904	15223
19	Seer Fish	697	371	572	877	692	432	542	873	690	431	518	871
20	Tunny	2944	3620	3025	2594	3005	3618	2866	2583	2995	3608	2739	2578
21	Sphyraena	26	1147	585	360	26	1146	554	359	26	1143	529	358
22	Mugil	10	25	7	820	10	25	6	817	10	25	6	815
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0	0	0
24	Soles	787	2899	2362	8144	782	2897	2238	8001	779	2889	2139	7985
25(a)	Penaid Prawn	17694	15318	13455	1989	17639	15309	12749	1981	17581	15266	12183	1977
25(b)	Non Penaid Prawn	1511	0	203	0	1501	0	192	0	1496	0	183	0
25(c)	Lobsters	0	144	184	84	0	144	174	84	0	144	166	84
25(d)	Crabs	358	2946	802	522	356	2892	760	520	355	2884	756	519
25(e)	Stomatopodes	221	8613	266	370	220	8608	252	368	219	8584	241	367
26	Cephalopodes	2112	3881	4490	4055	2098	3879	4254	4038	2091	3868	4065	4030
27	Miscellaneous	1082	6356	1919	2427	1074	6351	1818	2417	1070	6331	1737	2412
Total		129308	124722	161512	155312	128467	124647	153033	154675	128043	124298	146893	154366

Table 71

Species Wise & Quarter Wise Marine Fish Landings in Kerala during 2012 & 2014 (in MT)

Sl.No	Name of species	2012				2013				2014			
		Qtr I	Qtr II	Qtr III	Qtr IV	Qr I	Qr II	Qr III	Qr IV	Qr I	Qr II	Qr III	Qr IV
1	Elasmobranchs	700	681	270	1235	698	679	236	1324	634	378	2961	902
2	Eels	54	63	22	27	54	63	22	27	49	0	65	59
3	Cat Fish	28	55	44	52	28	46	45	52	25	390	346	388
4	Chirocentrius	60	57	14	115	60	57	14	115	55	62	7	882
5(a)	Oil Sardines	39682	20798	37633	51536	33618	20824	37697	51320	30542	20253	55944	56569
5(b)	Lesser Sardines	18815	2644	23909	16738	15939	2638	24168	16694	14481	15902	9983	6173
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0	55	0
5(e)	Anchovilla	6843	6655	12169	6666	6021	6680	12069	6638	5470	4441	7208	8507
5(f)	Trisocles	337	1857	250	591	336	1824	254	589	305	151	235	1755
5(g)	Other Clupeids	2809	5530	4536	1615	2800	5517	4604	1611	2544	3564	197	214
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	658	1899	2088	717	657	1895	2119	726	597	625	1256	472
7	Hemirhamphus& Belone	102	137	54	400	101	137	55	399	92	3	68	289
8	Flying Fish					0	0	0	0	0	0	0	0
9	Perches	4627	7771	9611	7365	4611	7704	10245	7306	4189	2011	5572	3960
10	Red Mullets	1373	103	23	115	1369	96	23	115	1244	46	94	797
11	Polynemids		22	14	30	0	22	14	30	0	0	74	307
12	Sciaenids	1944	2195	1477	3004	1937	2190	1499	2996	1760	347	623	1548
13	Ribbon Fish	4269	485	2257	8012	4022	484	2456	7991	3654	35	2758	3831
14(a)	Caranx	5587	7352	4315	9360	5568	7335	4380	9256	5059	2355	1861	4743

Sl.No	Name of species	2012				2013				2014			
		Qtr I	Qtr II	Qtr III	Qtr IV	Qr I	Qr II	Qr III	Qr IV	Qr I	Qr II	Qr III	Qr IV
14(b)	Chorinemus	305	365	110	172	304	348	112	172	276	0	39	0
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2395	4586	7108	5763	2300	4503	7295	5728	2090	3440	4637	3929
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	893	2083	946	1222	890	2028	960	1219	809	831	364	1012
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0	0	0
16	Lactrious	967	738	494	1181	960	731	501	1155	872	340	70	64
17	Pomfrets	257	273	125	868	256	272	127	866	233	206	491	1353
18	Mackerel	7693	12644	8724	15176	6152	12812	10195	15320	5589	26309	17282	20072
19	Seer Fish	688	430	491	868	680	429	498	866	618	770	2634	1014
20	Tunnis	2985	3602	2793	2570	1493	3608	3025	2573	1356	5958	4058	3298
21	Sphyraena	26	1141	501	357	26	1138	509	356	24	0	214	506
22	Mugil	10	24	6	812	10	24	6	810	9	0	9	0
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0	0	0
24	Soles	776	2884	2026	7960	610	2856	2056	7939	554	2694	862	5606
25(a)	Penaid Prawn	17523	15240	10365	1971	17021	15300	9426	1936	15464	14053	10592	13231
25(b)	Non Penaid Prawn	1491	0	173	0	1486	0	166	0	1350	566	383	2262
25(c)	Lobsters	0	144	157	84	0	144	159	84	0	0	0	145
25(d)	Crabs	354	2879	716	517	353	2904	726	506	321	3889	815	2156
25(e)	Stomatopodes	219	8569	228	366	218	8416	231	365	198	0	0	0
26	Cephalopodes	2084	3861	3851	4018	1877	3803	4309	4008	1705	6536	8650	8752
27	Miscellaneous	1066	6320	1645	2405	1063	6305	1670	2399	966	5687	2617	927
Total		127620	124087	139145	153888	113518	123812	141871	153491	103134	121842	143024	155723

Table 72

District Wise & Species Wise Marine Fish Landings (in MT) in Kerala during 2012-13

Sl. No	Name of fish	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranch	121	1408	105	195	167	32	621	105	130	2884
2	Eels	0	162	0	4	0	0	0	0	0	166
3	Cat Fish	4	16	61	36	22	2	3	35	0	179
4	Chirocentrius	45	48	29	12	7	52	48	3	2	246
5(a)	Oil Sardines	988	19871	56886	10403	20983	12601	11746	4265	5842	143585
5(b)	Lesser Sardines	6974	20830	26054	1262	3031	0	240	785	54	59230
5(c)	Hilsa Hisha	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	4703	7764	7662	3995	983	1178	4120	381	725	31511
5(f)	Trisocles	40	239	280	387	762	99	780	357	90	3034
5(g)	Other Clupeids	1897	2251	5672	1190	155	365	2067	408	476	14481
6(a)	Harpodon Nehereus										0
6(b)	Saurida & Saurus	56	2713	0	735	0	111	1685	61	0	5361
7	Hemirhamphus & Belone	95	333	11	79	4	0	144	10	16	692
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	1295	5012	656	5487	3850	615	11413	988	42	29358
10	Red Mullets	482	952	0	72	78	0	0	26	0	1610
11	Polynemids	0	0	0	4	0	0	60	0	2	66
12	Sciaenids	312	1838	277	1102	1745	421	2200	480	238	8613
13	Ribbon Fish	1278	3417	0	3469	294	303	5270	620	125	14776
14(a)	Caranx	4015	7667	230	3357	2988	38	5708	553	2039	26595
14(b)	Chorinemus	76	80	717	18	0	0	59	0	1	951
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0

Sl. No	Name of fish	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
14(d)	Other Carangids	5194	731	2591	1442	917	288	7472	648	474	19757
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	376	2791	93	84	329	34	673	414	347	5141
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	38	2224	0	213	266	55	303	201	73	3373
17	Pomfrets	32	361	427	224	43	35	203	68	129	1522
18	Mackerel	3773	3369	9098	2207	8162	4146	6857	2754	2330	42696
19	Seer Fish	394	154	147	278	294	54	848	167	133	2469
20	Tunny	6147	1150	370	1248	48	42	1328	102	23	10458
21	Sphyraena	438	489	0	255	198	184	439	16	6	2025
22	Mugil	91	181	81	155	59	72	103	54	56	852
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	184	802	2691	758	2598	462	3969	964	1052	13480
25(a)	Penaid Prawn	503	8567	5753	7692	9095	3868	3823	3740	1556	44597
25(b)	Non Penaid Prawn	1572	18	0	69	0	0	0	0	0	1659
25(c)	Lobsters	30	84	23	77	34	39	51	24	23	385
25(d)	Crabs	141	462	200	149	145	361	2343	400	264	4465
25(e)	Stomatopodes	0	4014	480	1639	3248	0	0	0	0	9381
26	Cephalopodes	301	3012	142	3401	1597	532	4484	118	20	13607
27	Miscellaneous	646	4806	229	328	284	116	1315	3697	12	11433
	Total	42241	107816	120965	52026	62386	26105	80375	22444	16280	530638

Table 73

District Wise & Species Wise Marine Fish Landings (in MT) in Kerala during 2013-14

Sl.No	Name of Fish	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	113	1373	109	209	173	28	654	98	116	2873
2	Eels	0	158	0	3	0	0	0	0	0	161
3	Cat Fish	0	14	66	29	21	3	2	33	0	168
4	Chirocentrius	44	48	31	10	8	47	46	4	3	241
5(a)	Oil Sardines	956	19015	53219	10814	22146	11327	12131	4558	6217	140383
5(b)	Lesser Sardines	7019	20382	25124	1218	3117	0	301	746	74	57981
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	4512	7328	7695	4013	951	1145	4172	347	694	30857
5(f)	Trisocles	32	248	271	397	752	95	724	365	88	2972
5(g)	Other Clupeids	1923	2118	5784	1147	152	378	1898	437	439	14276
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	47	2689	0	754	0	116	1673	58	0	5337
7	Hemirhamphus& Belone	94	329	11	78	4	0	145	10	12	683
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	1312	4801	674	5678	3817	634	11485	1002	41	29444
10	Red Mullets	413	912	0	62	68	0	0	23	0	1478
11	Polynemids	0	0	0	3	0	0	61	0	2	66
12	Sciaenids	305	1795	245	1038	1764	408	2201	471	218	8445
13	Ribbon Fish	1129	3168	0	3547	291	312	5387	627	124	14585
14(a)	Caranx	4045	7660	212	3217	3011	34	5312	520	2019	26030
14(b)	Chorinemus	64	76	701	18	0	0	48	0	1	908
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0

Sl.No	Name of Fish	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
14(d)	Other Carangids	5145	735	2692	1421	879	294	7409	613	428	19616
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	335	2745	85	86	331	27	617	435	355	5016
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	27	2183	0	196	253	49	291	192	68	3259
17	Pomfrets	27	347	433	224	41	35	197	63	131	1498
18	Mackerel	3917	3489	9318	2217	8492	4285	7104	2840	2254	43916
19	Seer Fish	392	134	142	281	292	52	846	153	119	2411
20	Tunnis	6284	1203	401	1214	52	48	1238	98	24	10562
21	Sphyraena	441	484	0	254	201	182	443	16	6	2027
22	Mugil	90	181	79	155	58	72	106	53	55	849
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	185	822	2671	730	2625	473	4012	942	945	13405
25(a)	Penaid Prawn	428	8104	5216	7354	9164	4065	3247	3421	1127	42126
25(b)	Non Penaid Prawn	1442	18	0	56	0	0	0	0	0	1516
25(c)	Lobsters	31	86	21	79	34	38	51	24	23	387
25(d)	Crabs	138	457	201	149	145	361	2343	402	261	4457
25(e)	Stomatopodes	0	3997	412	1614	3187	0	0	0	0	9210
26	Cephalopodes	304	3058	121	3413	1604	531	4652	121	21	13825
27	Miscellaneous	642	4852	225	319	272	116	1254	3648	12	11340
Total		41836	105009	116159	51997	63905	25155	80050	22320	15877	522308

Table 74

District Wise & Species Wise Marine Fish Landings (in MT) in Kerala during 2014-15

Sl. No.	Species	TVPMP	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	32	297	0	4236	29	0	30	241	23	4888
2	Eels	0	608	0	14	0	0	0	0	8	630
3	Cat Fish	0	0	0	332	337	188	538	73	4	1472
4	Chirocentrius	46	3	15	35	3	6	863	3	2	976
5(a)	Oil Sardines	5422	16945	37668	17395	17237	5853	23160	14738	17266	155684
5(b)	Lesser Sardines	3181	7288	11795	4103	2439	2112	5311	2600	2431	41260
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	3490	1355	8915	1726	562	965	7864	684	207	25768
5(f)	Trisocles	0	0	0	170	330	0	1411	288	7	2206
5(g)	Other Clupeids	433	855	1028	561	105	259	403	257	145	4046
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	45	556	168	2545	18	38	168	74	42	3654
7	Hemirhamphus& Belone	270	0	0	61	0	4	0	28	16	379
8	Flying Fish	45	0	0	0	0	0	0	0	0	45
9	Perches	72	2437	733	5885	785	445	3632	1862	6	15857
10	Red Mullets	0	0	0	140	4	0	860	24	32	1060
11	Polynemids	0	36	0	0	0	38	298	9	0	381
12	Sciaenids	200	743	0	1039	1047	110	0	301	68	3508
13	Ribbon Fish	1274	1240	388	2560	62	158	2665	102	16	8465
14(a)	Caranx	464	605	2396	1659	380	988	2705	383	766	10346
14(b)	Chorinemus	13	0	11	0	0	0	15	0	0	39
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0

Sl. No.	Species	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
14(d)	Other Carangids	2660	864	2664	4381	445	577	1583	437	147	13758
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	645	201	0	1694	0	100	1164	88	64	3956
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	224	245	0	168	0	0	0	10	0	647
17	Pomfrets	328	802	0	280	0	404	927	255	73	3069
18	Mackerel	3790	15207	18885	5034	5360	2279	13074	8219	2547	74395
19	Seer Fish	188	1336	247	2834	0	59	1014	570	327	6575
20	Tunny	5089	3697	596	5022	213	609	1336	620	98	17280
21	Sphyraena	221	63	0	208	3	1	203	22	4	725
22	Mugil	0	0	0	9	0	0	0	0	0	9
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	216	48	680	471	330	1118	5827	1794	457	10941
25(a)	Penaid Prawn	335	9192	15512	11825	190	1212	7018	4767	896	50947
25(b)	Non Penaid Prawn	143	145	1483	3633	3	56	854	34	92	6443
25(c)	Lobsters	0	247	0	4	0	0	0	0	0	251
25(d)	Crabs	856	571	644	1262	271	858	3391	209	252	8314
25(e)	Stomatopodes	0	0	0	0	0	0	0	0	0	0
26	Cephalopodes	3042	5884	1951	11108	191	1139	6177	4065	500	34057
27	Miscellaneous	584	800	2533	4629	820	428	2249	364	30	12437
	Total	33308	72270	108312	95023	31164	20004	94740	43121	26526	524468

Table 75

District Wise & Species Wise Value of Marine Fish Landings (in MT) in Kerala during 2012-13 (Rs in Lakh)

Sl. No.	Name of fish	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranch	174	2050	152	278	243	46	897	152	188	4180
2	Eels	0	88	0	2	0	0	0	0	0	90
3	Cat Fish	3	13	48	30	17	2	2	29	0	144
4	Chirocentrius	35	37	22	10	5	41	37	3	1	191
5(a)	Oil Sardines	577	11921	34129	6155	12239	7557	6504	2549	3502	85133
5(b)	Lesser Sardines	2264	6858	7670	408	960	0	79	265	18	18522
5(c)	Hilsa Hisha	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	2586	4269	4161	2196	520	638	2263	208	397	17238
5(f)	Trisocles	22	140	160	217	444	57	449	195	51	1735
5(g)	Other Clupeids	595	700	1758	363	48	112	651	122	162	4511
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	42	1983	0	537	0	81	1232	45	0	3920
7	Hemirhamphus & Belone	38	129	4	32	1	0	58	5	7	274
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	1062	4206	548	4532	3225	507	9580	827	34	24521
10	Red Mullets	346	681	0	48	56	0	0	18	0	1149
11	Polynemids	0	0	0	1	0	0	17	0	1	19
12	Sciaenids	305	1742	271	1046	1657	395	2086	448	225	8175
13	Ribbon Fish	581	1614	0	1671	142	146	2539	299	60	7052
14(a)	Caranx	3758	7601	218	3263	2900	37	5551	535	1986	25849
14(b)	Chorinemus	51	55	497	12	0	0	42	0	1	658
14(c)	Thachynotus										0

Sl. No.	Name of fish	TVP M	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
14(d)	Other Carangids	5170	698	2586	1377	888	275	7278	636	450	19358
14(e)	Coryphaena										0
14(f)	Elacate										0
15(a)	Leiognathus	173	1283	47	39	151	16	310	190	160	2369
15(b)	Gazza										0
16	Lactrious	40	2429	0	236	287	61	336	221	80	3690
17	Pomfrets	56	635	751	394	76	62	357	120	227	2678
18	Mackerel	3524	3141	8266	2005	7507	3907	6469	2502	2197	39518
19	Seer Fish	867	339	323	612	647	115	1866	369	289	5427
20	Tunnis	6081	1138	366	1235	48	42	1314	101	23	10348
21	Sphyraena	404	446	0	232	182	166	399	14	6	1849
22	Mugil	71	142	64	122	46	57	81	42	44	669
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	100	436	1462	452	1411	275	2156	523	571	7386
25(a)	Penaid Prawn	1643	27988	18795	25130	29713	12637	12490	12219	5084	145699
25(b)	Non Penaid Prawn	3299	36	0	94	0	0	0	0	0	3429
25(c)	Lobsters	208	580	165	553	244	280	366	172	165	2733
25(d)	Crabs	152	497	215	160	156	388	2521	430	284	4803
25(e)	Stomatopodes	0	3252	388	1328	2754	0	0	0	0	7722
26	Cephalopodes	521	5709	261	6397	3020	997	8506	213	37	25661
27	Miscellaneous	365	2718	130	186	161	66	744	2091	7	6468
Total		35113	95554	83457	61353	69748	28963	77180	25543	16257	493168

Table 76

District Wise & Species Wise Value of Marine Fish Landings (in MT) in Kerala during 2013-14 (Rs in Lakh)

Sl.No	Name of species	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	292	3116	219	411	355	62	1502	228	259	6444
2	Eels	0	112	0	2	0	0	0	0	0	114
3	Cat Fish	4	16	53	32	14	2	4	30	0	155
4	Chirocentrius	24	24	15	6	5	24	25	2	0	125
5(a)	Oil Sardines	848	15426	41796	7678	15779	8916	10018	3301	4211	107973
5(b)	Lesser Sardines	1943	5207	6187	295	732	0	62	187	12	14625
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	3924	5918	5516	2879	718	802	3428	286	509	23980
5(f)	Trisocles	33	173	187	273	548	63	628	264	58	2227
5(g)	Other Clupeids	875	932	2217	468	49	129	932	164	178	5944
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	40	1778	0	448	0	61	1208	32	0	3567
7	Hemirhamphus & Belone	54	156	5	35	2	0	73	3	8	336
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	782	2716	328	2813	2009	299	6765	529	19	16260
10	Red Mullets	293	514	0	35	39	0	0	12	0	893
11	Polynemids	0	0	0	2	0	0	26	0	0	28
12	Sciaenids	255	1345	189	775	1246	278	1785	348	154	6375
13	Ribbon Fish	823	1969	0	1896	159	156	3328	352	62	8745
14(a)	Caranx	5438	9271	247	3827	3425	36	7551	661	2278	32734
14(b)	Chorinemus	42	39	358	8	0	0	32	0	0	479

Sl.No	Name of species	TVPMP	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	5502	689	2314	1285	816	242	7749	607	419	19623
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	196	1379	43	40	154	12	364	201	151	2540
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	64	3558	0	321	406	80	531	315	107	5382
17	Pomfrets	73	768	856	452	82	65	471	136	251	3154
18	Mackerel	5314	4229	10824	2641	9941	4756	9465	3451	2714	53335
19	Seer Fish	1268	438	392	748	812	141	2668	472	347	7286
20	Tunnis	8395	1398	425	1442	53	45	1769	118	22	13667
21	Sphyraena	287	291	0	141	54	97	275	7	3	1155
22	Mugil	46	87	37	72	109	31	54	25	21	482
23	Bregmaceros	0	0	0	0	26	0	0	0	0	26
24	Soles	105	416	1329	372	0	217	2274	498	507	5718
25(a)	Penaid Prawn	2301	34872	22097	29634	35762	14329	17038	15132	5849	177014
25(b)	Non Penaid Prawn	3621	37	0	134	0	0	0	0	0	3792
25(c)	Lobsters	52	133	33	108	51	54	86	32	33	582
25(d)	Crabs	78	239	95	72	68	162	1316	201	124	2355
25(e)	Stomatopodes	0	4016	451	1542	3138	0	0	0	0	9147
26	Cephalopodes	831	7424	326	7965	3789	1186	12118	284	42	33965
27	Miscellaneous	396	2689	118	173	152	58	802	2056	4	6448
Total		44199	111375	96657	69025	80493	32303	94347	29934	18342	576675

Table 77

District Wise & Species Wise Value of Marine Fish Landings (in MT) in Kerala during 2014-15 (Rs in Lakh)

Sl. No.	Species	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	87	650	0	7458	63	0	73	565	54	8950
2	Eels	0	487	0	10	0	0	0	0	0	497
3	Cat Fish	0	0	0	385	238	143	1141	75	0	1981
4	Chirocentrius	26	2	8	22	2	3	497	2	0	562
5(a)	Oil Sardines	4251	13212	18256	8452	14251	9432	19230	10245	15362	112691
5(b)	Lesser Sardines	925	2625	3021	789	607	634	1160	448	862	11070
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0	0	0
5(e)	Anchovilla	2963	1325	3250	3450	450	1548	6849	296	161	20292
5(f)	Trisocles	0	0	0	123	255	0	1297	258	5	1938
5(g)	Other Clupeids	207	425	410	240	36	101	210	120	62	1810
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	40	316	0	1688	0	23	129	51	0	2246
7	Hemirhamphus& Belone	163	0	0	29	0	3	0	10	11	216
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	45	1881	371	3061	438	425	2268	674	3	9166
10	Red Mullets	0	0	0	83	2	0	0	16	0	101
11	Polynemids	0	30	0	0	0	31	135	5	0	201
12	Sciaenids	176	563	0	815	784	85	0	276	51	2749
13	Ribbon Fish	975	871	0	1437	36	90	1745	71	8	5233
14(a)	Caranx	655	827	960	2072	458	2154	4076	604	916	12723
14(b)	Chorinemus	9	0	6	0	0	0	11	0	0	25

Sl. No.	Species	TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2987	1465	1025	4160	438	541	1755	184	153	12707
14(e)	Coryphaena	0	0	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0	0	0
15(a)	Leiognathus	396	114	0	827	0	107	736	50	23	2254
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	558	451	0	289	0	0	0	20	0	1318
17	Pomfrets	931	1865	0	593	0	855	2349	745	142	7481
18	Mackerel	4244	13800	7256	3562	10245	5500	9521	8160	5530	67818
19	Seer Fish	639	3152	709	5109	0	181	4150	1514	1625	17079
20	Tunny	9425	3126	656	2563	230	651	2024	926	95	19695
21	Sphyraena	151	43	0	121	1	1	134	22	2	474
22	Mugil	0	0	0	4	0	0	0	0	0	4
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	129	27	341	252	0	585	3705	952	259	6250
25(a)	Penaid Prawn	1891	37407	54420	33525	786	4123	34204	20360	6723	193439
25(b)	Non Penaid Prawn	377	245	0	2563	0	168	0	126	0	3479
25(c)	Lobsters	0	432	0	6	0	0	0	0	0	437
25(d)	Crabs	508	250	317	640	135	546	2019	100	127	4641
25(e)	Stomatopodes	0	0	0	0	0	0	0	0	0	0
26	Cephalopodes	6532	9523	1865	21451	478	3210	16540	9075	1356	70030
27	Miscellaneous	378	423	963	2636	486	245	1525	425	11	7091
	Total	39667	95537	93833	108415	30419	31385	117480	56374	33542	606652

Table 78

**Gross Domestic Product Originating from Fishing (at factor cost)-
at Current Prices & Constant Prices (Base Year 2004-05)**

Year	GSDP of Kerala (Rs. in Cr.)	GDP of All India (Rs. in Cr.)	% contribution of Kerala to All India	Growth rate of Kerala over previous years	Growth rate of All India over previous years	% contribution of fishing sector of Kerala to GSDP of Kerala	% contribution of fishing sector of India to All India GDP
at Current Prices							
2004-05	1814.22	27153	6.68			1.52	0.91
2005-06	2481.96	31699	7.83	36.81	16.74	1.81	0.93
2006-07	2644.09	35182	7.52	6.53	10.99	1.72	0.89
2007-08	2634.31	38931	6.77	-0.37	10.66	1.50	0.85
2008-09	2684.13	44073	6.09	1.89	13.21	1.32	0.83
2009-10	3234.61	50370	6.42	20.51	14.29	1.39	0.82
2010-11	3409.90	57271	5.95	5.42	13.70	1.29	0.79
2011-12	3774.43	66862	5.65	10.69	16.75	1.21	0.8
2012-13 (Provisional)	5152.39	78053	6.60	36.51	16.74	1.48	0.83
2013-14 (Quick)	6264.54			21.59		1.58	
at Constant Prices							
2004-05	1814.22	27153	6.68			1.52	0.91
2005-06	1704.80	28749	5.93	-6.03	5.88	1.30	0.88
2006-07	1800.24	30650	5.87	5.60	6.61	1.27	0.86
2007-08	1795.44	32427	5.54	-0.27	5.80	1.17	0.83
2008-09	1784.03	33315	5.36	-0.64	2.74	1.10	0.80
2009-10	1886.81	34395	5.49	5.76	3.24	1.06	0.76
2010-11	1794.13	36400	4.93	-4.91	5.83	0.95	0.74
2011-12	1843.08	38473	4.79	2.73	5.70	0.92	0.73
2012-13 (Provisional)	1827.55	41222	4.43	-0.84	7.15	0.86	0.75
2013-14 (Quick)	1926.85			5.43		0.85	

Source: Department of Economics & Statistics

Table 79

Group-wise list of common marine fishes, crustaceans, mollusks, marine turtles, marine mammals and sea weeds

Sl. No.	Species group/family	Genus/Species
1	ELASMOBRANCHS	
	a. Sharks	Alopias; Chiloscyllium; Eulamia (= Lamna); Galeocerdo; Ginglymostoma (= Scyllium); Hypoprion; Myrmillo (=Mustelus); Rhincodon; (=Rhiniodon); Scoliodon (=Carcharias, Carcharhinus); Sphyrna (=Zygaena, Eusphyra blochii); Stegostoma
	b. Skates	Pristis , Rhina; Rhinobatos; Rhynchobatus; Raja
	c. Rays	Aetobatus; Aetomylaeus (=Myliobatis); Amphotistius (=Dasyatis, Trygon); Gymnura; Himantura; Mobula (=Dicerobatis); Narcine; Narke; Pastinachus; Rhinoptera; Urogymnus
2	EELS	Anguilla; Congresox; Gymnothorax (=Muraena); Muraenesox; Thyrsoidea
3	CATFISHES	Arius (=Tachysurus, Netuma); Batrachocephalus; Osteogeneiosus; Plotosus
4	CLUPEIDS	
	a. Wolf Herring	Chirocentrus spp .
	b. Oil sardine	Sardinella longiceps
	c. Other Sardines	Other Sardinella spp S.fimbriata ; S. gibbosa; S. sirm ; S. albella
	d. Hilsa Shad	Hilsai ilisha
	e. Other Shads	Other Hilsa spp. (Tenualosa, Macrura)
	f. Anchovies	
		Coilia
		Setipinna
		Stolephorus (=Anchoviella)
		Thrissina
		Thryssa (=Thrissocles, Engraulis)
	g. Other Clupeids	Kowala coval (white sardine); Dorosoma; Chanos; Dussumieria; Elops; Escualosa (=Kowala); Herklotsichthys (=Harengula); Ilisha (=Euplatygaster); Megalops; Nematalosa (=Chaetossus); Opisthoterius; Pellona; Raconda; Spratelloide
5	BOMBAYDUCK	Harpodon nehereus
6	LIZARDFISHES	Saurida , Synodus; Trachinocephalus

7	HALF BEAKS & FULL BEAKS	Ablennes; Hemirhamphus; Hyporhamphus; Tylosurus (=Strongylura, Belone); Rhynchorhamphus
8	FLYING FISHES	Cypselurus; Exocoetus; Hirundichthys
9	PERCHES	
	a) Rock-Cods (Groupers)	Cephalopholis (=Emeacentrus); Epinephelus (Serranus); Plectropomus; Promicrops; Variola
	b) Snappers	Aprion; Apsilus; Lutjanus (Lutianus); Pristipomoides
	c) Pig-face Breams (Emperors)	Lethrinus
	d) Threadfin Breams	Nemipterus (=Synagris)
	e) Other Perches	Acanthurus; Ambassis; Apogon; Argyrops; Caesio; Calloyonodon; Cheilinus; Chilodon; Chromis; Diploprion; Dipterygonotus; Drepene; Ephippus (=Chaetodon; Tripterodon); Gaterin; Gerres; Grammoplites; Gymnocranius; Holocentrus; Kurtis; Lates; Linophora; Lobotes; Mylio; (=Acanthopagrus); Pempheris; Pentaprion; Peristedion; Platyccephalus; Plectorhynchus; Pomadasys (=Pristipoma); Priacanthus; Psammoperca (=Digrama); Rhabdosargus; Scatophagus; Scolopsis; Siganus; Sillago; Suggrundus; Silla gynopsis; Therapon; Thysanophrys
10	GOATFISHES	Mulloidichthys; Parupeneus; Upeneus
11	THREADFINS	Eleutheronema; Polynemus, Polydactylus
12	CROAKERS	Dendrophysa; Johnieops; Johnius (=Sciaena); Kathala; Nibea; Otolithes; Pennahia; Protonibea diacanthus; Otolithoides biauritus
13	RIBBONFISHES (HAIRTAILS)	Eupleurogrammus, Lepturacanthus; Trichiurus
14	CARANGIDS	
	a. Horse Mackerel	Megalaspis cordyla
	b. Scads	Decapterus
	c. Leather-Jackets (Queenfishes)	Scomberoides (=Chorinemus)
	d. Other Carangids	Alectis; Alepes; Atropus; Atule; Carangoides; Caranx; Coryphaena; Elagatis ;Gnathanodon; Mene; Naucrates; Platax; Rachycentron; Selar; Selaroides; Seriola; Trachinotus
15	SILVERBELLIES (PONYFISHES)	Gazza; Leiognathus; Secutor
16	BIG JAWED JUMPER (FALSE TREVALLY)	Lactarius lactarius
17	POMFRETS	
	a. Black Pomfret	Formio niger (=Parastromateus niger)
	b. Silver Pomfret	Pampus argenteus (=Stromateus argenteus)

	c. Chinese Pomfret	Pampus chinensis (=Stromateus sinensis)
18	MACKERELS	
	a. Indian Mackerel	Rastrelliger kanagurta
	b. Other mackerel	Other Rastrelliger spp.
19	SEERFISHES	
	a. Narrow-Barred Spanish Mackerel	Scomberomorus commerson (= Cybium commerson)
	b. Indo-Pacific Spanish Mackerel	Scomberomorus guttatus
	c. Streaked Spanish Mackerel	Scomberomorus lineolatus
	d. Wahoo	Acanthocybium solandri
20	TUNNIES	
	a. Little Tuna	Euthynnus affinis
	b. Frigate and Bullet Tuna	Auxis spp.
	c. Skipjack Tuna	Katsuwonus pelamis
	e. i. Longtail Tuna ii. Yellowfin Tuna	Thunnus tonggol T. albacares
	f. Other Tunnies	Other Thunnus spp.; Sarda
21	BILLFISHES	Istiophorus; Makaira; Tetrapterus; Xiphias
22	BARRACUDAS	Sphyraena spp.
23	MULLETS	Liza ; Mugil ; Valamugil
24	UNICORN COD	Bregmaceros
25	FLATFISHES	
	a. Halibut	Psettodes erumei
	b. Flounders	Bothus; Chascanopsetta; Poecilopsetta; Pseudorhombus
	c. Soles	Cynoglossus ; Euryglossa; Heteromycteris; Solea; Synaptura; Zebrias
26	CRUSTACEANS	
	a. Penaeid Prawns	
	(i) Littoral species	Aristaeomorpha; Atypopenaeus; Hymenopenaeus; Metapenaeus; Penaeus; Parapenaeopsis; Parapenaeus; Solenocera; Trachypenaeus
	(ii) Deep sea species	Aristeus; Metapenaeopsis; Penaeopsis
	b. Non-Penaeid Prawns	
	(i) Littoral species	Acetes; Exhippolysmata; Nematopalaemon
	(i) Deep sea species	Heterocarpus; Plesionika; Parapandalus
	a. Lobsters	
	(i) Littoral species	Panulirus; Thenus
	(ii) Deep sea species	Puerulus

	d. Crabs	Charybdis; Portunus ; Scylla
	e. Stomatopods	Oratosquilla
27	MOLLUSCS	
	a. Bivalves	Crassostrea; Donax; Katelysia; Meretrix; Paphia; Perna viridis ; P. indica; Pinctada; Villorita
	b. Gastropods	Conus; Cypraea; Murex; Nautilus; Strombus; Trochus; Turbo; Xancus
	c. Cephalopods	Loligo; Octopus; Sepia; Sepiella; Sepioteuthis; Symplectoteuthis
28	MARINE TURTLES	Chelonia; Lepidochelys Eretmochelys; Dermochelys; Caretta
29	MARINE MAMMALS	
	a. Dolphins and Porpoise	Delphinus; Grampus; Sousa; Stenella; Tursiops; Neophocaena
	b. Seacow	Dugong
	b. Whale	
	i. Baleen whale	Balaenoptera; Globicephala; Megaptera; Pseudorca
	ii. Toothed whale	Kogia; Physeter; Ziphius
30	SEAWEEDS	Gelidiella; Gracilaria; Sargassum
31	MISCELLANEOUS	Amphiprion; Anacanthus; Antennarius; Atherina; Batrachus; Blennius; Diodon; Echeneis; Fistularia; Odonus; Ostracion; Pomacanthus; Pomacentrus; Pterois; Sufflamen; Triacanthus; Trypauchen and other genera not listed

Source: Methodology for the estimation of Marine fish landings in India by CMFRI