



GOVERNMENT OF KERALA

KERALA MARINE FISHERIES STATISTICS 2010

Published by
Director of Fisheries

Prepared by:
Statistical Cell, Directorate of Fisheries
Vikas Bhavan, Thiruvananthapuram

Preface

Fisheries form one of the most important sectors of Kerala's economy. Kerala is a coastal state and is bordered on the west by the marine flora and fauna rich Arabian Sea. The coastline of the state runs to a length of about 590 Km. The marine fisheries sector in the state provides livelihood security to the fishermen population of the state mostly living in the 222 marine fishing villages. The substantial growth of the sector is due to innovative and efficient fishing practices, government policies and increased demand for marine fish products in the domestic and international markets. To manage fishery resources the annual trawl ban is implementing in the state effectively and fairly since 1988.

The Department of Fisheries assess the fish catch in the Kerala's 200 nautical mile Exclusive Economic Zone through a scientific sample survey named 'Marine Catch Assessment Survey' a part of Central Sector Scheme 'Strengthening of data base & Geographical Information System'. The sampling design developed by the Central Marine Fisheries Research Institute is adopted for this.

The department periodically releases statistical publication 'Marine Fisheries Statistics of Kerala' incorporating upto dated information in the marine sector of Kerala. I have great pleasure in presenting 'Marine Fisheries Statistics of Kerala 2010'. This publication is prepared by the officers in the Statistical Cell of the Directorate of Fisheries with the help of the technical officers of the department. I express my sincere thanks to them for their valuable work.

I hope this publication is useful to planners, researchers and other data users. Suggestions to improve the quality and content of this publication are most welcome.

Thiruvananthapuram

16 -01- 2012

C A Latha IAS

Director of Fisheries

Editorial Board

1. Smt.K A Sairabanu
Additional Director of Fisheries
(Chief Editor)
2. Smt K. M. Lathy
Joint Director of Fisheries(HQ)
3. Shri Vijayan
Senior Finance Officer
4. Shri S.Jayachandran
Deputy Director (PME)
5. Smt D. Anithakumari
Deputy Director (Marine)
6. Smt Sheela.R
Deputy Director (Inland)
7. Sri S Ajayan
Joint Director of Fisheries(MK)
8. Smt C.S.Lathakumari
Deputy Director (Statistics)
9. Smt Thara Jacob
Deputy Director (Statistics)

**Marine Fisheries Statistics
2010**

Prepared by,
The Statistical Cell
Directorate of Fisheries

Published by,
C.A.Latha IAS
Director of Fisheries

No of Copies – 250
(Not for sale)

Index

Sl. No.	Contents	Page No.
	An Introduction	
1	Kerala at a glance	6
2	Gross Domestic Product (GDP)	7
3	Fisheries Department Kerala	7
4	Harbour Engineering Department	8
5	Fishermen Population	8
6	Marine Fish Production 2009-10	9
7	Export of Marine Products	10
Table No.		
I	District Wise Distribution of Coast Line of Kerala	12
II	Fishing Harbours in Kerala by Harbour Engineering Department	12
III	Sanctioned Fishing Harbours and Fish Landing Centres (Harbour Engineering Department)	13
IV	Fish Landing Centres by Harbour Engineering Department as on 31-3-2011	14
V	Details of Fisheries schools under the control of Fisheries Department	15
VI	District Wise Distribution of Marine Fishermen Population in Kerala for 2008-09 & 2009-10 (estimated)	16
VII (a)	District-wise break up of Active Fishermen & Active fishermen families in Kerala during 2009-10 (Marine)	16
VII (b)	District-wise break up of Active Fishermen & Active fishermen families in Kerala during 2008-09 (Marine)	17
VII (c)	District Wise Distribution and Percentage of Active Fishermen in Kerala for 2008-09 & 2009-10 to the Marine Population (Estimated)	17
VIII	Marine Fish Production in Kerala from 2005-06 to 2009-10 (Financial year wise)	18
IX	Species Wise Marine Fish Production in Kerala from 2005-06 to 2009-10 (financial year-wise)	19
X	Species Wise Marine Fish Production in Kerala From 2005 to 2010 (Calendar year wise)	20
XI (a)	Species Wise Quarter Wise Marine Fish Production in Kerala during 2005 & 2006	21
XI (b)	Species Wise Quarter Wise Marine Fish Production in Kerala during 2007 & 2008	22
XI (c)	Species Wise Quarter Wise Marine Fish Production in Kerala during 2009 & 2010	23
XII (a)	Species-wise, District-wise, Marine Fish Production in Kerala during 2009-10	24
XII (b)	Species-wise, District-wise, Marine Fish Production in Kerala during 2008-09	25
XIII (a)	Species-wise, District-wise, Landing Price of Marine Fish Landings in Kerala for 2009-2010	26
XIII (b)	Species-wise, District-wise, Landing Price of Marine Fish Landings in Kerala for 2008-09	27
XIII(c)	Fish Auction details for 2009-10 - MATSYAFED	28

XIV	Export of Marine Products from Kerala for 2007-08, 2008-09 & 2009-10	29
XV	Export of Marine Products from India for 2007-08, 2008-09 & 2009-10	29
XVI	Details of Beneficiaries under Savings Cum Relief Scheme (Marine) from 2005-06 to 2009-10	30
XVII (a)	Number of Fishermen Pensioners (Marine) 2009-10	30
XVII (b)	Number of Fishermen Pensioners (Marine) from 2005-06 to 2009-10	30
XVIII (a)	Number of Allied Workers for the Year 2009-10	31
XVIII (b)	Number of Allied Worker Pensioners 2009-10	31
XIX (a)	Details of Financial Assistance for Education to Marine Fishermen Students during 2009-10	32
XIX (b)	Details of the NFWF - Housing Scheme in the Marine Sector	32
XIX (c)	Performance of the Commercial Units under MATSYAFED for 2009-10	33
XIX (d)	District Wise Consolidation of OBM Verification held on 06-04-2008	33
XX	Details of fishing vessels registered in Kerala as on 12-05-2011	34
XXI	All India Marine Fisheries Statistics as per Census-2005 by CMFRI	34
XXII	All India details of Active Fishermen as per Census-2005 by CMFRI	35
XXIII	Distribution of fishing craft in the country	35
XXIV	All India details of the number of families involved in fishing	36
XXV	District-wise Infrastructure Facilities in the Marine Villages of Kerala as per Marine Census 2005 by CMFRI	36
XXVI	District-wise Fishery related Infrastructure Facilities in the Marine Villages of Kerala as per Marine Census 2005 by CMFRI	37
XXVII	Annual Trawl Ban Periods in Kerala since inception	37
XXVIII (a)	Completed Fishing Harbours and Expenditure Incurred	38
XXVIII (b)	Expenditure on Fishing Harbours as on 31.3.2010	38
XXIX	Details of Revenue Collection in Various Fishing Harbours and Fish Landing Centres	39
XXX (a)	Details of Welfare Relief Schemes Implemented by Kerala Fishermen's Welfare Fund Board during the Year 2009-10	40
XXX (b)	Details of Welfare Relief Schemes Implemented by Kerala Fishermen's Welfare Fund Board during the Year 2008-09	41
XXXI (a)	Existing rates of fee for Registration and licensing of fishing vessels as per Kerala Marine Fishing Regulation Act	42
XXXI (b)	Existing rates of user charges/fees for various services/facilities rendered by Fisheries and Harbour Engineering Departments	42-44
XXXII (a)	Budget Outlay & Expenditure in Fisheries Sector from 2004-05 to 2009-10	44
XXXII (b)	Scheme-Wise Budget Outlay and Expenditure for the Year 2009-10	45-48

An Introduction

1. Kerala at a glance

Kerala is a coastal state and fisheries sector is considered as one of the most important productive and development sector. This sector plays a crucial role in the well being of Kerala's economy. Location of Kerala is North Latitude between 8° 18' and 12° 48' East Longitude between 74° 02' and 77° 22'.

1.	Area	:	38863 Sq.Km
2.	No. of Districts	:	14
3.	No. of Revenue Divisions	:	21
4.	No. of Taluks	:	63
5.	No. of Villages	:	1582
6.	Population (2001 Census)	:	318.41 lakh
		Male	: 154.68 lakh
		Female	: 163.73 lakh
		Density of population	: 819 per Sq. Km.
		Literacy Rate	: 90.92%
7.	Total Population (<i>estimated by Registrar General of India as on 1st Oct' 09 based on 2001-census</i>)	:	342.16 lakh
8.	Fishermen Population (<i>estimated</i>)	:	11.4 lakh
9.	Number of fishing villages		
		Marine	: 222
		Inland	: 113
10.	Number of rivers	:	44
11.	Number of Fishing Harbours	:	10
12.	Number of registered vessels	:	21746
13.	Fish landings for 2009-10	:	6.87 lakh MT
		Marine	: 5.70 lakh MT
		Inland	: 1.17 lakh MT

Kerala has an extensive coastline of 590 km with the Arabian Sea in the west. The coastal line spread over nine districts of Kerala. The marine districts of Kerala are: Thiruvananthapuram , Kollam, Alappuzha, Ernakulam, Trissur, Malappuram , Kozhikkode, Kannur , Kasaragod

	<u>India</u>	<u>Kerala</u>
Coastline length	8129 Km.	590 Km.
Exclusive Economic Zone	20.2 lakh Sq.Km.	0.36 lakh Sq.Km
Continental Shelf area (approx)	5.3 lakh Sq. Km.	0.39 lakh Sq. Km.

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. 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.

For the Year 2009-10

At Current prices (base year 2004-05)-Quick estimates

NSDP of Kerala	: Rs. 20248657 lakh
Per capita Income	: Rs. 59179
Contribution of Fisheries Sector	: Rs. 236740 lakh
% share of fisheries sector	: 1.17 %
Per capita Income of fishermen	: Rs. 20719

At Constant prices (base year 2004-05)-Quick estimates

NSDP of Kerala	: Rs. 15914362 lakh
Per capita Income	: Rs. 46511
Contribution of Fisheries Sector	: Rs. 147900 lakh
% share of fisheries sector	: 0.93 %
Per capita Income of fishermen	: Rs. 12944

3. Fisheries Department Kerala

The agencies under this department 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. Marine Enforcement (ME)
8. Kerala State Coastal Area Development Corporation (KSCADC)
9. Society for Assistance to Fisherwomen (SAF)

In addition, there are 10 fisheries technical schools working under this department in marine districts. Also the Harbour Engineering Department is the service department of the Department of Fisheries.

Important welfare activities implementing through the state fisheries department are:

1. Housing scheme to provide shelter to poor fisher family
2. Education concession scheme to provide educational concession to the children of registered Non-Hindu fishermen
3. Savings cum Relief scheme to promote thrift habit and to extend relief during lean period
4. Insurance coverage to traditional fishing implements
5. Pension to fishermen to provide an amount of Rs 200/-per month as old age pension and widow pension
6. Group insurance to fishermen to provide insurance coverage to active/allied fishermen who registered at KFWFB for death while at fishing
7. Modernization of country crafts to provide assistance for changing OBM

4. Harbour Engineering Department

The Harbour Engineering Department is the service department of the Department of Fisheries. It executes the construction activities for Department construction of fishing harbours, fish landing centre, buildings & ponds etc. As on 31-3-2010,

Number of sanctioned (functioning/under construction) fishing harbours

Already constructed	: 9
Under construction	: 12
Proposed to be constructed	: 9

Number of sanctioned (functioning/under construction) Fish landing centres

For mechanised boats	: 9
For traditional fishermen	: 34

5. Fishermen Population

The fishermen population of the state for 2009-10 is estimated as 11.4 lakh based on the population of Kerala estimated by Registrar General of India as on 1st Oct' 09

	<u>Male</u>	<u>Female</u>	<u>Children</u>	<u>Total</u>
Marine	344663	308718	226419	879800
Inland	102089	98199	62509	262797
Total	446752	406917	288928	1142597

Central Marine Fisheries Research Institute (CMFRI) conducted marine census (covering 222 marine fishing villages) during 2005 and according to this marine fisher folk population of Kerala is 602234 and number of marine fishermen families is 12486.

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.

Active fishermen during 2009-10 (No. of registered members)

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Marine	168219	19131	187350
Inland	39777	8533	48310
Total	207996	27664	235660

% of registered active fishermen to the total population : 0.69 %

% of registered active marine fishermen to the total population : 0.55 %

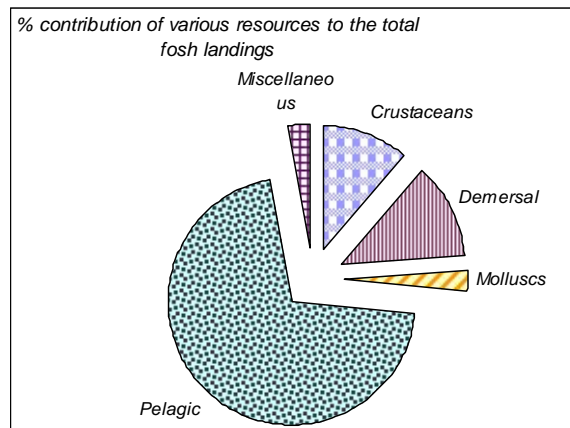
Allied workers for 2009-10 (No. of registered members)

Male	:	41022
Female	:	21983
Total	:	63005

6. Marine Fish Production 2009-10

Marine fish landings for 2009-10 are estimated as 570,013 MT. Contribution of various resources to the total landings is as follows:

<u>Resources</u>	<u>Fish landings (in MT)</u>	<u>%</u>
Crustaceans	64612	11
Demersal fin fishes	72233	13
Molluscs	14524	3
Pelagic fin fishes	403330	71
Miscellaneous	15314	3
Total	570013	

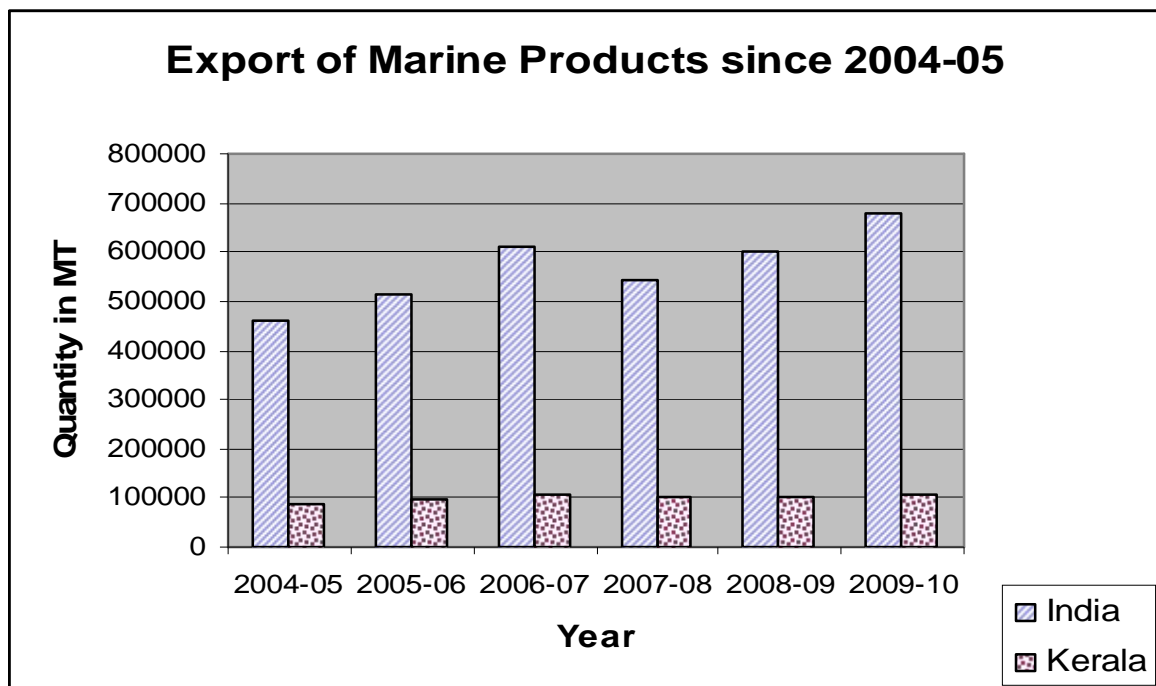


Pelagic fin fishes contributed 71% of the total fish landings. Major portion of this type includes oil sardines, lesser sardines, mackerel, caranx, ribbon fish, tunnis etc. Major portion of Crustaceans includes penaid prawn. Perches and Soles are the main items contained in demersal fin fishes resources.

7. Export of Marine Products

The Marine Products Export Development Authority (MPEDA) has been designated as 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. Its aims to covers 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 details of marine products available from MPEDA given below:

Year	India		Kerala		% share of Kerala over India	
	Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)	Quantity	Value
2004-05	461329	6646.69	87337	1157.42	19	17
2005-06	512164	7245.3	97311	1257.65	19	17
2006-07	612641	8363.53	108616	1524.12	18	18
2007-08	541701	7620.93	100319	1430.95	19	19
2008-09	602834	8607.95	100780	1572.18	17	18
2009-10	678436	10048.52	107293	1670.02	16	17



As per MPEDA sources, about 38% of the total contribution is from export of frozen shrimp. Frozen squid, frozen cuttle fish are other major items exported from Kerala.

Item-wise export of Marine Products during 2009-10				
Items	India		Kerala	
	Quantity (in MT)	Value (Rs. In Cr.)	Quantity (in MT)	Value (Rs. In Cr.)
Frozen Shrimp	130553	4182.35	25290	646.75
Frozen Squid	61445	622.63	18713	209.18
Frozen Cuttle fish	63504	923.83	23157	402.05
Frozen fish	260979	2032.33	29111	216.36
Dried items	47054	981.11	79	16.44
Live items	5492	139.14	431	27.94
Chilled items	28817	264.49	2856	71.89
Others	80592	902.64	7656	79.41
	678436	10048.52	107293.00	1670.02

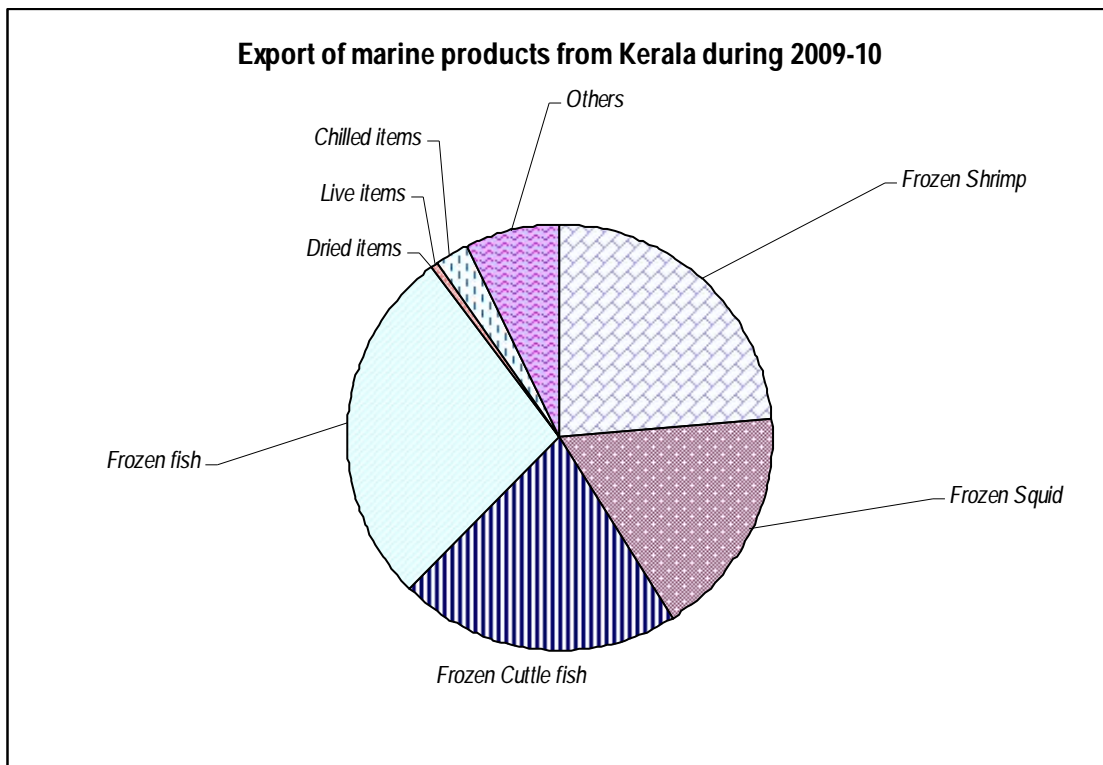


Table I
District Wise Distribution of Coast Line of Kerala

SI.No	District	Length of Coast Line	
		Length (in Km)	Percentage to Total
1	Thiruvananthapuram	78	13.22
2	Kollam	37	6.27
3	Alappuzha	82	13.90
4	Ernakulam	46	7.80
5	Thrissur	54	9.15
6	Malappuram	70	11.87
7	Kozhikode	71	12.03
8	Kannur	82	13.90
9	Kasargode	70	11.86
Total		590	100.00

Table II
Fishing Harbours in Kerala constructed by Harbour Engineering Department as on 31-3-2011

SI.No	Already constructed	SI.No	Under construction	SI.No	Proposed to be constructed
1	Neendakara	1	Vizhinjam	1	Poonthura
2	Beyepore	2	Muthalappozhy	2	Valiyathura
3	Puthiyappa	3	Thottappally	3	Chilakkoor
4	Chombal	4	Chethi	4	South Paravoor
5	Mopla Bay	5	Arthunkal	5	Vellayil
6	Kayamkulam	6	Chellanam	6	Parappanangadi
7	Thankassery	7	Chettuva	7	Thanur
8	Munambam	8	Ponnani	8	Puthiyangadi
9	Azheekal	9	Koyilandi	9	Manjeswaram
		10	Thalai		
		11	Kasargod		
		12	Cheruvathoor		

Source: Harbour Engineering Department, Kerala

Table III
**Sanctioned Fishing Harbours and Fish Landing Centres
(Harbour Engineering Department) as on 31-3-2011**

Sl.No	Fishing Harbours	Sl.No	Fish Landing Centres for Mechanised Boats	Sl.No	Fish Landing Centres for Traditional Fishermen
1	Vizhinjam	1	Neeleswaram	1	Chalil Gopal Pettah
2	Muthalappozhy	2	Munakkakadavu	2	Koyilandi
3	Thankassery	3	Chettuva	3	Vellayil Beach
4	Neendakkara	4	Thottappally	4	Vallikkunnu
5	Kayamkulam	5	Dharmadam	5	Thikkodi
6	Thottapally	6	New Mahe	6	Ettikulam Moyilali kadappuram
7	Chethi	7	Kasargode	7	Arthunkal
8	Arthunkal	8	Cheruvathoor	8	Kattoor Pollathai
9	Chellanam	9	Palacode	9	Punnapra
10	Munambam			10	Kadappa
11	Chettuva			11	Vizhijnam South
12	Ponnani			12	Padanna
13	Baypore			13	Palappetty
14	Puthiyappa			14	Poonthura
15	Koyilandi			15	Blangad
16	Chombal			16	Nambikkadavu
17	Thalai			17	Vypeen
18	Moplabay			18	Kunjithai
19	Azheekkal			19	Chathanadu
20	Kasargod			20	Sambranikodi
21	Cheruvathoor			21	Muhamma
				22	Bakkel
				23	Kottayi
				24	Chembu
				25	Puthenthodu
				26	Nayarambalam
				27	Pulluvila
				28	Mariyanadu
				29	Kannamati
				30	Kumbalam
				31	Varappuzha
				32	Fort Kochi
				33	SN Puram
				34	Kaipamangalam

Source: Harbour Engineering Department, Kerala

Department of Fisheries, Thiruvananthapuram

Table IV
**Fish Landing Centres constructed
 by Harbour Engineering Department as on 31-3-2011**

SI No	District	Functioning	Under Construction
1	Thiruvananthapuram	Pulluvila Poonthura Mariyanadu Vizhinjam South	
2	Kollam	Sambranikodi	
3	Pathanamthitta		Kadapra
4	Kottayam		
5	Alappuzha	Punnapra Kattur Pollathai Arthunkal, Thottappally	Muhamma
6	Ernakulam	Vypeen Puthenthodum Nayarambala Kannamali Kumbalam	Kunjithai Chathanadu Varapuzha Fort Cochi Chellanam
7	Thrissur	Blangad Nambikkadavu Kaipamangalam Munakkakadavu Chettuva SN Puram	
8	Malappuram	Palappetty Kottayi	
9	Kozhikkode	Koyilandi Vellayil Beach Vallikkunnu, Thikkodi	
10	Kannur	Chalil Gopalapettah New Mahi Dharmadom Palacode Ettikulam –Moyilai	
11	Kasargode	Cheruvathur Neeleswaram Kasargode Padanna	Bekkal

Source: Harbour Engineering Department, Kerala

Table V
Details of Fisheries schools under the control of Fisheries Department

Sl.No	Address of School	Year of Starting	Ongoing courses (For VHSC)
1	GRFTHS, Valiyathura, Thiruvananthapuram, Phone-0471-2502813	1965	1. Fisheries Craft and Gear Technology 2. Fish processing Technology
2	GRFTHS, Karunagappally, Kollam, Phone-0476-2620260	1984	1. Medical Lab Technology 2. Fish processing Technology
3	GRFTHS, Arthunal, Alappuzha, Phone-0478-2573357	1984	1. Maintenance and Operation of Marine Engine 2. Aquaculture
4	GRFTHS, Thevara, Cochin, Ernakulam, Phone-0484-2663048	1968	1. Maintenance and Operation of Marine Engine 2. Aquaculture
5	GRFTHS, Chavakkad, Thrissur, Phone-0487-2501965	1981	
6	GRFTHS, Thanur, Malappuram, Phone-0494-2443721	1981	1. Fish Processing Technology 2. Maintenance and Operation of Marine Engine 3. Maintenance and Repair of Domestic Appliances
7	GRFTHS, Koyilandi, Kozhicode, Phone-0496-2630956	1994-95	
8	GRFTHS, Bapur, Kozhicode, Phone-0495-2415397	1981	1. Fish Processing Technology 2. Fishing Craft and Gear Technology
9	GRFTHS, Azhecode, Kannur, Phone-0497-2770474	1967	1. Aqua Culture 2. Maintenance and Operation of Marine Engine
10	GRFTHS, Kasargode Phone-0467-2286746	2002	

Table VI
District Wise Distribution of Marine Fishermen Population in Kerala for 2008-09 & 2009-10 (estimated)

SI No	Name of District	Marine Fishermen Population							
		2008-09				2009-10			
		Male	Female	Children	Total	Male	Female	Children	Total
1	Thiruvananthapuram	69268	61200	54410	184878	69883	61743	54892	186518
2	Kollam	43205	36540	21416	101161	43588	36864	21605	102057
3	Alappuzha	47888	43713	29617	121218	48312	44100	29880	122292
4	Ernakulam	31802	29813	18615	80230	32084	30077	18780	80941
5	Thrissur	31083	31318	17830	80231	31359	31596	17987	80942
6	Malappuram	34455	28017	25607	88079	34761	28265	25834	88860
7	Kozhikode	42226	36833	28204	107263	42601	37160	28454	108215
8	Kannur	22732	20657	17656	61045	22933	20840	17813	61586
9	Kasargode	18974	17915	11075	47964	19142	18073	11174	48389
Total		341633	306006	224430	872069	344663	308718	226419	879800

Note: Based on the population estimated by Registrar General of India as on 1st October

Table VII (a)

District-wise break up of Active Fishermen & Active fishermen families in Kerala during 2009-10 (Marine)

Sl. No	Name of District	Active Fishermen 2009-10 (in Nos.)			Total Fishermen Family (in Nos.)
		Male	Female	Total	
1	Thiruvananthapuram	37669	14494	52163	39766
2	Kollam	18558	777	19335	17222
3	Alappuzha	27946	87	28033	21926
4	Ernakulam	13092	138	13230	19318
5	Thrissur	6605	10	6615	5131
6	Malappuram	29901	66	29967	15482
7	Kozhikode	21006	38	21044	15313
8	Kannur	6000	24	6024	11604
9	Kasargode	7442	3497	10939	4670
Total		168219	19131	187350	150432

Source: Fishermen Welfare Fund Board, Kerala

Table VII (b)

District-wise break up of Active Fishermen & Active fishermen families in Kerala during 2008-09 (Marine)

Sl. No	Name of District	Active Fishermen 2008-09 (in Nos.)			Total Fishermen Family (in Nos.)
		Male	Female	Total	
1	Thiruvananthapuram	37701	15196	52897	38629
2	Kollam	18855	718	19573	16493
3	Alappuzha	23065	103	23168	17656
4	Ernakulam	12967	187	13154	10215
5	Thrissur	6861	11	6872	5924
6	Malappuram	28126	--	28126	15699
7	Kozhikode	20556	33	20589	15265
8	Kannur	5904	24	5928	4654
9	Kasargode	7664	3044	10708	6430
Total		161699	19316	181015	130965

Source: Fishermen Welfare Fund Board, Kerala

Table VII (c)

District Wise Distribution and Percentage of Active Fishermen in Kerala for 2008-09 & 2009-10 to the Marine Population (Estimated)

Sl. No	Name of District	Percentage of Active Fishermen to the Marine Population					
		2009-10			2008-09		
		Population (Estimated)	No. of active fishermen	Percentage	Population (Estimated)	No. of active fishermen	Percentage
1	Thiruvananthapuram	186518	52163	27.97	184878	52897	28.61
2	Kollam	102057	19335	18.95	101161	19573	19.35
3	Alappuzha	122292	28033	22.92	121218	23168	19.11
4	Ernakulam	80941	13230	16.35	80230	13154	16.4
5	Thrissur	80942	6615	8.17	80231	6872	8.57
6	Malappuram	88860	29967	33.72	88079	28126	31.93
7	Kozhikode	108215	21044	19.45	107263	20589	19.19
8	Kannur	61586	6024	9.78	61045	5928	9.71
9	Kasargode	48389	10939	22.61	47964	10708	22.33
Total		879800	187350	21.29	872069	181015	20.76

Table VIII

**Marine Fish Production in Kerala from 2005-06 to 2009-10
(Financial year wise)**

Sl.No	Name of fish	MARINE FISH PRODUCTION IN KERALA (in MT)				
		2005-06	2006-07	2007-08	2008-09	2009-10
1	Elasmobranches	3160	3252	3225	3208	3066
2	Cat fish	167	176	172	171	169
3	Sardine	215216	233340	227976	227163	222746
4	Anchovilla	30168	34246	33315	33142	32521
5	Saurida & saurus	5552	6161	5962	5919	5728
6	Perches	30400	33343	32405	32214	31117
7	Sciaenids	9887	9810	9701	9643	9215
8	Ribbon Fish	15679	16329	16156	16118	15487
9	Caranx	26987	28091	27746	27575	27392
10	Mackerel	44202	46499	45758	45458	45405
11	Seer fish	2477	2611	2571	2560	2512
12	Tunnis	11923	12527	12343	12263	12244
13	Prawn	49743	52008	51405	51082	50105
14	Other Crustaerous	398	448	431	427	412
15	Others	112954	119216	117120	116207	111894
Total		558913	598057	586286	583150	570013

Table IX
Species Wise Marine Fish Production in Kerala from 2005-06 to 2009-10
 (Financial year-wise)

Sl.No	Name of species	Fish Production (in M.T)				
		2005-06	2006-07	2007-08	2008-09	2009-10
1	Elasmobranchs	3160	3252	3225	3208	3066
2	Eels	168	170	171	170	169
3	Cat Fish	167	176	172	171	169
4	Chirocentrius	265	265	265	264	257
5(a)	Oil Sardines	149949	160158	157144	156511	154136
5(b)	Lesser Sardines	65267	73182	70832	70652	68610
5(c)	Hilsa Ilisha	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0
5(e)	Anchovilla	30168	34246	33315	33142	32521
5(f)	Trisocles	3176	3201	3187	3150	3092
5(g)	Other Clupeids	15532	16643	16219	16099	15618
6(a)	Harpodon Nehereus	0	0	0	0	0
6(b)	Saurida & Saurus	5552	6161	5962	5919	5728
7	Hemirhamphus & Belone	691	711	714	711	706
8	Flying Fish	0	0	0	0	0
9	Perches	30400	33343	32405	32214	31117
10	Red Mullets	1676	1601	1638	1637	1627
11	Polynemids	67	72	70	70	69
12	Sciaenids	9887	9810	9701	9643	9215
13	Ribbon Fish	15679	16329	16156	16118	15487
14(a)	Caranx	26987	28091	27746	27575	27392
14(b)	Chorinemus	984	995	992	985	976
14(c)	Thachynotus	0	0	0	0	0
14(d)	Other Carangids	20766	23063	22327	22204	21394
14(e)	Coryphaena	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0
15(a)	Leiognathus	5305	5526	5452	5408	5330
15(b)	Gazza	0	0	0	0	0
16	Lactrious	3523	3635	3604	3585	3538
17	Pomfrets	1502	1545	1531	1523	1556
18	Mackerel	44202	46499	45758	45458	45405
19	Seer Fish	2477	2611	2571	2560	2512
20	Tunnis	11923	12527	12343	12263	12244
21	Sphyraena	2094	2229	2180	2156	2118
22	Mugil	3175	3265	3234	3223	862
23	Bregmaceros	0	0	0	0	0
24	Soles	13950	14702	14444	14363	14187
25(a)	Penaid Prawn	48006	50301	49673	49351	48401
25(b)	Non Penaid Prawn	1738	1707	1732	1731	1704
25(c)	Lobsters	398	448	431	427	412
25(d)	Crabs	4515	4585	4549	4493	4626
25(e)	Stomatopodes	9547	9534	9564	9406	9469
26	Cephalopodes	14202	15338	14973	14879	14524
27	Miscellaneous	11815	12136	12006	11881	11776
	Total	558913	598057	586286	583150	570013

Table X
Species Wise Marine Fish Production in Kerala from 2005 to 2010
(Calendar year wise)

Sl.No	Name of species	Fish Production (in M.T)					
		2005	2006	2007	2008	2009	2010
1	Elasmobranchs	3149	3287	3213	3208	3123	3003
2	Eels	167	173	169	170	169	168
3	Cat Fish	167	176	172	171	169	167
4	Chirocentrus	264	268	264	264	264	244
5(a)	Oil Sardines	149375	162376	156120	156514	154247	151971
5(b)	Lesser Sardines	64995	74464	70115	70654	68633	67072
5(c)	Hilsa Ilisha	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0
5(e)	Anchovilla	30084	33658	33048	33143	32506	31972
5(f)	Trisocles	3171	3218	3180	3150	3094	3074
5(g)	Other Clupeids	15490	17067	16089	16099	15546	15314
6(a)	Harpodon Nehereus	0	0	0	0	0	0
6(b)	Saurida & Saurus	5542	6221	5923	5919	5732	5596
7	Hemirhamphus & Belone	690	711	706	711	707	701
8	Flying Fish	0	0	0	0	0	0
9	Perches	30333	33663	32224	32214	31107	30483
10	Red Mullet	1656	1682	1599	1637	1636	1626
11	Polynemids	67	71	71	70	69	68
12	Sciaenids	9855	9878	9700	9643	9522	8811
13	Ribbon Fish	15611	16534	16092	16118	15911	15210
14(a)	Caranx	26906	28366	27637	27575	27429	27185
14(b)	Chorinemus	980	1012	984	985	978	968
14(c)	Thachynotus	0	0	0	0	0	0
14(d)	Other Carangids	20731	23235	22227	22204	21410	20765
14(e)	Coryphaena	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0
15(a)	Leiognathus	5292	5578	5427	5408	5336	5266
15(b)	Gazza	0	0	0	0	0	0
16	Lactrious	3509	3684	3584	3585	3544	3447
17	Pomfrets	1499	1549	1534	1523	1513	1544
18	Mackerel	44092	46885	45601	45459	45335	45017
19	Seer Fish	2467	2647	2556	2560	2517	2539
20	Tunnis	11881	12702	12254	12263	12183	12072
21	Sphyraena	2094	2232	2177	2156	2118	2085
22	Mugil	3175	3225	3274	3223	862	858
23	Bregmaceros	0	0	0	0	0	0
24	Soles	13939	14674	14495	14363	14192	13918
25(a)	Penaid Prawn	47752	51480	49022	49353	48456	47678
25(b)	Non Penaid Prawn	1716	1799	1686	1731	1714	1693
25(c)	Lobsters	398	448	431	427	412	402
25(d)	Crabs	4510	4607	4538	4493	4628	4528
25(e)	Stomatopodes	9547	9318	9559	9406	9470	9448
26	Cephalopodes	14172	15464	14909	14879	14538	14269
27	Miscellaneous	11799	12194	11981	11881	11784	11660
Total		557075	604546	582561	583159	570854	560822

Table XI (a)

Species Wise Quarter Wise Marine Fish Production in Kerala during 2005 & 2006

SI.No	Name of species	Quarter-wise Marine Fish Production (in M.T)							
		2005				2006			
		Qtr I	Qtr II	Qtr III	Qtr IV	Qtr I	Qtr II	Qtr III	Qtr IV
1	Elasmobranchs	774	749	400	1226	785	723	534	1245
2	Eels	54	65	22	26	55	63	29	26
3	Cat Fish	28	57	30	52	28	55	40	53
4	Chirocentrius	68	72	11	113	69	69	15	115
5(a)	Oil Sardines	40679	21624	37006	50066	41253	20864	49425	50834
5(b)	Lesser Sardines	19258	2738	26958	16041	19530	2642	36005	16287
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0
5(e)	Anchovilla	5936	6924	10832	6392	6020	6681	14467	6490
5(f)	Trisocles	346	1937	301	587	351	1869	402	596
5(g)	Other Clupeids	3008	5772	5104	1606	3050	5569	6817	1631
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	678	1981	2170	713	688	1911	2898	724
7	Hemirhamphus & Belone	94	142	56	398	95	137	75	404
8	Flying Fish	0	0	0	0	0	0	0	0
9	Perches	4719	7966	10217	7431	4786	7686	13646	7545
10	Red Mullet	1414	106	23	113	1434	102	31	115
11	Polynemids	0	23	15	29	0	22	20	29
12	Sciaenids	2298	2604	21	4932	2330	2512	28	5008
13	Ribbon Fish	4794	518	2232	8067	4862	500	2981	8191
14(a)	Caranx	5746	7570	4485	9105	5827	7304	5990	9245
14(b)	Chorinemus	314	381	114	171	318	368	152	174
14(c)	Thachynotus	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2464	4787	7590	5890	2499	4619	10137	5980
14(e)	Coryphaena	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0
15(a)	Leiognathus	919	2174	984	1215	932	2098	1314	1234
15(b)	Gazza	0	0	0	0	0	0	0	0
16	Lactrious	995	827	513	1174	1009	798	685	1192
17	Pomfrets	220	284	130	865	223	274	174	878
18	Mackerel	7794	13148	8709	14441	7904	12686	11632	14663
19	Seer Fish	708	386	510	863	718	372	681	876
20	Tunnis	2989	3759	2600	2533	3031	3626	3473	2572
21	Sphyraena	26	1192	522	354	26	1150	697	359
22	Mugil	9	26	7	0	9	25	10	3181
23	Bregmaceros	0	0	0	3133	0	0	0	0
24	Soles	799	3010	2106	8024	810	2904	2813	8147
25(a)	Penaid Prawn	17970	15906	11928	1948	18224	15347	15931	1978
25(b)	Non Penaid Prawn	1535	0	181	0	1557	0	242	0
25(c)	Lobsters	0	150	165	83	0	145	220	83
25(d)	Crabs	364	3060	573	513	369	2952	765	521
25(e)	Stomatopodes	0	8945	237	365	0	8630	317	371
26	Cephalopodes	2144	4030	4003	3995	2174	3888	5346	4056
27	Miscellaneous	1099	6601	1710	2389	1115	6369	2284	2426
Total		130243	129514	142465	154853	132081	124960	190276	157229

Table XI (b)

Species Wise Quarter Wise Marine Fish Production in Kerala during 2007 & 2008

Sl.No	Name of species	Quarter-wise Marine Fish Production (in M.T)							
		2007				2008			
		Qtr I	Qtr II	Qtr III	Qtr IV	Qtr I	Qtr II	Qtr III	Qtr IV
1	Elasmobranchs	750	727	488	1248	762	714	487	1245
2	Eels	52	63	27	27	54	62	27	27
3	Cat Fish	28	55	37	52	28	54	37	52
4	Chirocentrius	66	69	14	115	67	68	14	115
5(a)	Oil Sardines	39035	20993	45142	50950	40059	20618	45025	50812
5(b)	Lesser Sardines	18248	2658	32885	16324	18965	2610	32799	16280
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0
5(e)	Anchovilla	6608	6722	13213	6505	6875	6602	13179	6487
5(f)	Trisocles	334	1881	367	598	341	1847	366	596
5(g)	Other Clupeids	2626	5603	6226	1634	2756	5503	6210	1630
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	628	1923	2647	725	667	1889	2640	723
7	Hemirhamphus & Belone	95	138	68	405	103	136	68	404
8	Flying Fish	0	0	0	0	0	0	0	0
9	Perches	4466	7733	12463	7562	4647	7594	12431	7542
10	Red Mullet	1353	103	28	115	1392	102	28	115
11	Polynemids	1	22	18	30	0	22	18	30
12	Sciaenids	2262	2527	1872	3039	2263	2482	1867	3031
13	Ribbon Fish	4657	503	2723	8209	4721	494	2716	8187
14(a)	Caranx	5552	7349	5471	9265	5661	7217	5457	9240
14(b)	Chorinemus	301	370	139	174	309	363	139	174
14(c)	Thachynotus	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2327	4647	9259	5994	2427	4564	9235	5978
14(e)	Coryphaena	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0
15(a)	Leiognathus	880	2111	1200	1236	905	2073	1197	1233
15(b)	Gazza	0	0	0	0	0	0	0	0
16	Lactrius	960	803	626	1195	980	789	624	1192
17	Pomfrets	219	276	159	880	216	271	159	877
18	Mackerel	7518	12764	10623	14696	7675	12535	10595	14654
19	Seer Fish	682	374	622	878	697	367	620	876
20	Tunnis	2855	3649	3172	2578	2944	3584	3164	2571
21	Sphyraena	23	1157	637	360	26	1136	635	359
22	Mugil	50	25	10	3189	10	25	8	3180
23	Bregmaceros	0	0	0	0	0	0	0	0
24	Soles	838	2922	2569	8166	787	2870	2562	8144
25(a)	Penaid Prawn	17045	15442	14551	1984	17696	15165	14513	1979
25(b)	Non Penaid Prawn	1465	0	221	0	1511	0	220	0
25(c)	Lobsters	0	146	201	84	0	143	200	84
25(d)	Crabs	347	2970	699	522	358	2917	697	521
25(e)	Stomatopodes	216	8683	289	371	221	8527	288	370
26	Cephalopodes	2048	3912	4883	4066	2112	3842	4870	4055
27	Miscellaneous	1057	6408	2084	2432	1082	6293	2081	2425
Total		125592	125728	175633	155608	129317	123478	175176	155188

Table XI (c)
Species Wise Quarter Wise Marine Fish Production in Kerala during 2009 & 2010

Sl.No	Name of species	Quarter-wise Marine Fish Production (in M.T)							
		2009				2010			
		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
2	Eels	54	63	25	27	54	63	24	27
3	Cat Fish	28	55	34	52	28	55	32	52
4	Chirocentrius	67	69	13	115	60	57	12	115
5(a)	Oil Sardines	40056	20825	41513	51853	39945	20891	39335	51800
5(b)	Lesser Sardines	18963	2636	30241	16793	18940	2655	28653	16824
5(c)	Hilsa Ilisha	0	0	0	0	0	0	0	0
5(d)	Other Hilsa	0	0	0	0	0	0	0	0
5(e)	Anchovilla	6874	6669	12346	6617	6889	6685	11698	6700
5(f)	Trisocles	341	1866	291	596	339	1865	276	594
5(g)	Other Clupeids	2756	5558	5602	1630	2828	5555	5308	1623
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	667	1908	2434	723	663	1907	2306	720
7	Hemirhamphus & Belone	103	137	63	404	102	137	60	402
8	Flying Fish	0	0	0	0	0	0	0	0
9	Perches	4647	7671	11205	7584	4657	7806	10617	7403
10	Red Mulletts	1392	103	26	115	1383	103	25	115
11	Polynemids	0	22	17	30	0	22	16	30
12	Sciaenids	2263	2507	1721	3031	1956	2205	1631	3019
13	Ribbon Fish	4721	499	2504	8187	4297	487	2373	8053
14(a)	Caranx	5661	7290	5031	9447	5624	7386	4767	9408
14(b)	Chorinemus	309	367	128	174	307	367	121	173
14(c)	Thachynotus	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2427	4610	8395	5978	2411	4607	7954	5793
14(e)	Coryphaena	0	0	0	0	0	0	0	0
14(f)	Elacate	0	0	0	0	0	0	0	0
15(a)	Leiognathus	905	2094	1104	1233	899	2093	1046	1228
15(b)	Gazza	0	0	0	0	0	0	0	0
16	Lactrius	980	797	575	1192	974	741	545	1187
17	Pomfrets	216	274	146	877	259	274	138	873
18	Mackerel	7674	12661	9834	15166	7744	12701	9318	15254
19	Seer Fish	697	371	572	877	692	432	542	873
20	Tunnis	2944	3620	3025	2594	3005	3618	2866	2583
21	Sphyraena	26	1147	585	360	26	1146	554	359
22	Mugil	10	25	7	820	10	25	6	817
23	Bregmaceros	0	0	0	0	0	0	0	0
24	Soles	787	2899	2362	8144	782	2897	2238	8001
25(a)	Penaid Prawn	17694	15318	13455	1989	17639	15309	12749	1981
25(b)	Non Penaid Prawn	1511	0	203	0	1501	0	192	0
25(c)	Lobsters	0	144	184	84	0	144	174	84
25(d)	Crabs	358	2946	802	522	356	2892	760	520
25(e)	Stomatopodes	221	8613	266	370	220	8608	252	368
26	Cephalopodes	2112	3881	4490	4055	2098	3879	4254	4038
27	Miscellaneous	1082	6356	1919	2427	1074	6351	1818	2417
Total		129308	124722	161512	155312	128467	124647	153033	154675

Table XII (a)
Species-wise, District-wise, Marine Fish Production in Kerala during 2009-10

Sl. No	Name of species	Marine Fish Landings (in M.T)									
		TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	129	1497	112	207	178	34	660	111	138	3066
2	Eels	0	165	0	4	0	0	0	0	0	169
3	Cat Fish	4	15	59	34	20	2	3	32	0	169
4	Chirocentrus	46	50	31	13	7	55	50	3	2	257
5(a)	Oil Sardines	1061	21331	61066	11167	22525	13527	12610	4578	6271	154136
5(b)	Lesser Sardines	8079	24129	30180	1462	3511	0	277	910	62	68610
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	4854	8013	7908	4122	1015	1216	4252	393	748	32521
5(f)	Trisocles	40	245	285	392	777	102	795	363	93	3092
5(g)	Other Clupeids	2046	2428	6118	1284	167	393	2229	441	512	15618
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	59	2900	0	785	0	119	1801	64	0	5728
7	Hemirhamphus & Belone	98	339	11	81	4	0	147	10	16	706
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	1373	5312	695	5816	4081	652	12096	1048	44	31117
10	Red Mulletts	487	963	0	72	79	0	0	26	0	1627
11	Polynemids	0	0	0	4	0	0	63	0	2	69
12	Sciaenids	334	1967	295	1180	1868	449	2354	514	254	9215
13	Ribbon Fish	1340	3582	0	3637	308	317	5523	650	130	15487
14(a)	Caranx	4135	7897	237	3458	3077	38	5880	570	2100	27392
14(b)	Chorinemus	79	82	736	18	0	0	60	0	1	976
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	5623	792	2806	1561	994	312	8091	702	513	21394
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	390	2894	96	87	341	34	698	430	360	5330
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	39	2333	0	223	279	59	318	210	77	3538
17	Pomfrets	32	370	438	230	43	35	207	69	132	1556
18	Mackerel	4013	3583	9675	2346	8681	4409	7291	2929	2478	45405
19	Seer Fish	402	156	150	282	299	55	863	170	135	2512
20	Tunnis	7197	1347	432	1461	58	50	1554	119	26	12244
21	Sphyaena	458	512	0	267	207	193	459	16	6	2118
22	Mugil	91	184	81	158	59	72	106	55	56	862
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	194	844	2832	797	2734	486	4177	1015	1108	14187
25(a)	Penaid Prawn	547	9298	6243	8349	9871	4198	4150	4058	1687	48401
25(b)	Non Penaid Prawn	1614	18	0	72	0	0	0	0	0	1704
25(c)	Lobsters	33	90	24	83	37	41	54	25	25	412
25(d)	Crabs	146	479	207	154	150	373	2428	414	275	4626
25(e)	Stomatopodes	0	4051	485	1654	3279	0	0	0	0	9469
26	Cephalopodes	322	3215	151	3631	1705	567	4786	126	21	14524
27	Miscellaneous	665	4949	235	338	294	120	1355	3808	12	11776
Total		45930	116030	131588	55429	66648	27908	85337	23859	17284	570013

Table XII (b)
Species-wise, District-wise, Marine Fish Production in Kerala during 2008-09

Sl.No	Name of species	Marine Fish Landings (in M.T)									
		TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	135	1566	117	217	186	36	691	116	144	3208
2	Eels	0	166	0	4	0	0	0	0	0	170
3	Cat Fish	4	15	60	34	20	2	4	32	0	171
4	Chirocentrus	47	51	32	13	7	56	53	3	2	264
5(a)	Oil Sardines	1077	21660	62007	11339	22872	13735	12804	4649	6368	156511
5(b)	Lesser Sardines	8319	24847	31078	1505	3616	0	286	937	64	70652
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	4947	8166	8059	4201	1034	1239	4334	400	762	33142
5(f)	Trisocles	41	250	290	399	792	104	811	368	95	3150
5(g)	Other Clupeids	2109	2503	6306	1324	172	405	2297	455	528	16099
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	61	2997	0	811	0	123	1861	66	0	5919
7	Hemirhamphus & Belone	99	341	11	82	4	0	148	10	16	711
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	1421	5499	719	6021	4225	675	12523	1085	46	32214
10	Red Mulletts	490	969	0	72	80	0	0	26	0	1637
11	Polynemids	0	0	0	4	0	0	64	0	2	70
12	Sciaenids	350	2058	309	1235	1955	470	2462	538	266	9643
13	Ribbon Fish	1395	3728	0	3785	321	330	5748	676	135	16118
14(a)	Caranx	4163	7950	239	3481	3098	38	5918	574	2114	27575
14(b)	Chorinemus	80	83	743	18	0	0	60	0	1	985
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	5836	822	2912	1620	1032	324	8397	729	532	22204
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	2936	97	88	346	35	709	436	365	5408
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	40	2364	0	226	283	60	323	211	78	3585
17	Pomfrets	31	362	429	225	42	34	203	68	129	1523
18	Mackerel	4018	3587	9686	2349	8691	4414	7300	2932	2481	45458
19	Seer Fish	410	159	153	287	305	56	879	173	138	2560
20	Tunnis	7208	1349	433	1463	58	50	1557	119	26	12263
21	Sphyraena	466	521	0	272	211	196	468	16	6	2156
22	Mugil	341	689	300	592	219	269	398	205	210	3223
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	196	854	2867	807	2768	492	4229	1028	1122	14363
25(a)	Penaid Prawn	558	9480	6366	8513	10065	4280	4231	4138	1720	49351
25(b)	Non Penaid Prawn	1640	18	0	73	0	0	0	0	0	1731
25(c)	Lobsters	34	93	25	86	38	43	56	26	26	427
25(d)	Crabs	142	465	201	150	146	362	2358	402	267	4493
25(e)	Stomatopodes	0	4024	482	1643	3257	0	0	0	0	9406
26	Cephalopodes	330	3294	155	3720	1747	581	4901	129	22	14879
27	Miscellaneous	671	4993	237	341	297	121	1367	3842	12	11881
Total		47055	118859	134313	57000	67887	28530	87440	24389	17677	583150

Table XIII (a)

Species-wise, District-wise, Landing Price of Marine Fish Landings in Kerala for 2009-2010

Sl.No	Name of species	Landing Price (Value in Lakh Rs.)									
		TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	140	1624	122	225	193	37	716	120	150	3327
2	Eels	0	55	0	1	0	0	0	0	0	56
3	Cat Fish	2	8	30	17	10	1	2	16	0	86
4	Chirocentrus	10	11	7	3	2	12	11	1	0	57
5(a)	Oil Sardines	371	7466	21373	3908	7884	4734	4414	1602	2195	53947
5(b)	Lesser Sardines	343	1025	1283	62	149	0	12	39	3	2916
5(c)	Hilsa llisha	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	1699	2805	2768	1443	355	426	1488	138	262	11384
5(f)	Trisocles	15	93	108	149	295	39	302	138	35	1174
5(g)	Other Clupeids	368	437	1101	231	30	71	401	79	92	2810
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	18	870	0	236	0	36	540	19	0	1719
7	Hemirhamphus & Belone	24	81	3	19	1	0	35	2	4	169
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	343	1328	174	1454	1020	163	3024	262	11	7779
10	Red Mullet	117	231	0	17	19	0	0	6	0	390
11	Polynemids	0	0	0	1	0	0	13	0	0	14
12	Sciaenids	117	688	103	413	654	157	824	180	89	3225
13	Ribbon Fish	362	967	0	982	83	86	1491	176	35	4182
14(a)	Caranx	2481	4738	142	2075	1846	23	3528	342	1260	16435
14(b)	Chorinemus	19	20	177	4	0	0	14	0	0	234
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2530	356	1263	702	447	140	3641	316	231	9626
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	94	695	23	21	82	8	168	103	86	1280
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	33	1960	0	187	234	50	267	176	65	2972
17	Pomfrets	36	414	491	258	48	39	232	77	148	1743
18	Mackerel	2488	2221	5999	1455	5382	2734	4520	1816	1536	28151
19	Seer Fish	603	234	225	423	449	83	1295	255	203	3770
20	Tunnis	3958	741	238	804	32	28	855	65	14	6735
21	Sphyrana	119	133	0	69	54	50	119	4	2	550
22	Mugil	23	47	21	40	15	18	27	14	14	219
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	47	203	680	191	656	117	1002	244	266	3406
25(a)	Penaid Prawn	1149	19526	13110	17533	20729	8816	8715	8522	3543	101643
25(b)	Non Penaid Prawn	1775	20	0	79	0	0	0	0	0	1874
25(c)	Lobsters	26	72	19	66	30	33	43	20	20	329
25(d)	Crabs	37	120	52	39	38	93	607	104	69	1159
25(e)	Stomatopodes	0	2026	243	827	1640	0	0	0	0	4736
26	Cephalopodes	419	4180	196	4720	2217	737	6222	164	27	18882
27	Miscellaneous	186	1386	66	95	82	34	379	1066	3	3297
Total		19952	56781	50017	38749	44676	18765	44907	16066	10363	300276

Table XIII (b)

Species-wise, District-wise, Landing Price of Marine Fish Landings in Kerala for 2008-09

Sl.No	Name of species	Landing Price (Value in Lakh Rs.)									
		TVPM	KLM	ALP	EKM	TCR	MLPM	KKD	KNR	KSD	TOTAL
1	Elasmobranchs	142	1642	123	229	196	37	726	121	151	3368
2	Eels	0	53	0	1	0	0	0	0	0	54
3	Cat Fish	2	6	22	13	7	1	2	12	0	64
4	Chirocentrus	10	11	7	3	2	13	12	1	1	60
5(a)	Oil Sardines	236	4765	13641	2495	5032	3022	2817	1023	1401	34432
5(b)	Lesser Sardines	155	465	582	29	68	0	6	17	1	1323
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	1089	1797	1773	924	227	273	953	88	167	7291
5(f)	Trisocles	13	81	92	128	253	33	259	118	30	1008
5(g)	Other Clupeids	316	375	946	198	26	61	344	69	79	2415
6(a)	Harpodon Nehereus	0	0	0	0	0	0	0	0	0	0
6(b)	Saurida & Saurus	16	809	0	219	0	34	503	17	0	1598
7	Hemirhamphus & Belone	22	75	2	18	1	0	33	2	4	156
8	Flying Fish	0	0	0	0	0	0	0	0	0	0
9	Perches	312	1210	158	1325	929	149	2756	239	10	7087
10	Red Mulletts	107	214	0	15	17	0	0	6	0	360
11	Polynemids	0	0	0	1	0	0	12	0	0	13
12	Sciaenids	105	618	92	371	587	141	738	161	80	2893
13	Ribbon Fish	321	857	0	871	74	76	1322	156	31	3707
14(a)	Caranx	2289	4372	132	1915	1704	21	3255	316	1162	15166
14(b)	Chorinemus	19	19	171	4	0	0	14	0	0	227
14(c)	Thachynotus	0	0	0	0	0	0	0	0	0	0
14(d)	Other Carangids	2568	361	1282	713	454	143	3695	321	234	9770
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	87	646	22	20	76	8	156	96	80	1190
15(b)	Gazza	0	0	0	0	0	0	0	0	0	0
16	Lactrious	33	1917	0	183	228	49	261	170	63	2904
17	Pomfrets	33	381	451	236	43	35	213	72	136	1599
18	Mackerel	1647	1470	3971	963	3564	1810	2994	1203	1017	18638
19	Seer Fish	472	181	176	329	352	65	1012	199	159	2944
20	Tunnis	3604	674	216	732	28	25	778	61	13	6132
21	Sphyraena	112	126	0	65	50	47	112	4	1	517
22	Mugil	80	160	69	142	50	62	92	47	49	752
23	Bregmaceros	0	0	0	0	0	0	0	0	0	0
24	Soles	43	188	630	178	609	108	930	226	247	3160
25(a)	Penaid Prawn	1123	19071	12809	17125	20252	8610	8515	8327	3460	99294
25(b)	Non Penaid Prawn	1756	20	0	78	0	0	0	0	0	1854
25(c)	Lobsters	27	73	18	67	30	31	45	20	19	329
25(d)	Crabs	31	102	44	33	32	79	519	88	59	988
25(e)	Stomatopodes	0	1971	236	805	1597	0	0	0	0	4609
26	Cephalopodes	412	4118	194	4649	2184	727	6126	162	27	18599
27	Miscellaneous	170	1267	60	86	75	30	347	974	4	3014
Total		17353	50093	37919	35162	38750	15690	39546	14315	8686	257515

Table XIII (c)

FISH AUCTION DETAILS FOR 2009-10 - MATSYAFED

TRADITIONAL CRAFT											
Sl.No.	District	No. of societies in auction	No. of groups participating in auction	No. of members enrolled as per APR	No. of auction days	Quantity of fish auctioned (in Tonne)	Value of fish auctioned (Rs. In Lakhs)	Federation commission generated (Rs. In Lakhs)	Amount retained from auction as savings	Per capita income (Au. Value/ No. of Members) Rs.	Per Kg. rate (Auction Value/ Qty in kg) Rs.
1	Thiruvananthapuram	37	1280	10015	275	5824	3052.97	30.49	60.96	30484	52.42
2	Kollam	27	1087	6187	282	14096	3540.69	37.05	16.05	57228	25.12
3	Alappuzha	39	1285	9645	250	5714	1400.11	16.49	19.33	14516	24.5
4	Kottayam	5	113	203	689	99	91.09	0.83	4.27	44872	92.01
5	Ernakulam	24	812	3779	282	14418	3229.02	48.31	32.21	85446	22.4
6	Thrissur	13	232	1949	349	4970	1247.57	18.11	11.98	64011	25.1
7	Malappuram	16	171	2080	230	6641	1610.50	24.21	8.57	77428	24.25
8	Kozhikode	40	621	5096	183	15171	2988.02	37.66	7.85	58635	19.7
9	Kannur	10	164	1191	191	2529	433.20	3.50	5.95	36373	17.13
10	Kasargode	20	142	2312	159	3112	592.06	8.69	-	25608	19.03
Total		231	5907	42457	2890	72574	18185.23	225.34	167.17	42832	25.06
MECHANISED BOATS											
Sl.No.	District	No. of societies in auction	No. of groups participating in auction	No. of members enrolled as per APR	No. of auction days	Quantity of fish auctioned (in Tonne)	Value of fish auctioned (Rs. In Lakhs)	Federation commission generated (Rs. In Lakhs)	Amount retained from auction as savings	Per capita income (Au. Value/ No. of Members) Rs.	Per Kg. rate (Auction Value/ Qty in kg) Rs.
1	Kollam	2	3	150	85	40.25	17.48	0.41	-	11653	43.43
2	Alappuzha	3	3	120	139	55.97	30.33	0.54	0.10	25275	54.19
3	Kasargode	1	1	5	8	0.60	0.48	0.00	-	9600	80.00
Total		6	7	275	232	96.82	48.29	0.95	0.10	17560	49.88

Source: MATSYAFED

Table XIV
Export of Marine Products from Kerala for 2007-08, 2008-09 & 2009-10

SI No	Items	2007-08		2008-09		2009-10	
		Quantity (in MT)	Value (Rs.in Cr.)	Quantity (in MT)	Value (Rs.in Cr.)	Quantity (in MT)	Value (Rs.in Cr.)
1	Frozen Shrimp	26566	547.50	25396	588.87	25290	646.75
2	Frozen Squid	11486	159.54	19760	247.91	18713	209.18
3	Frozen Cuttle fish	20484	376.36	18075	330.04	23157	402.05
4	Frozen Lobster	0	0	0	0	0	0
5	Dried Items	73	3.14	138	11.40	78	16.44
6	Live items	185	15.93	304	20.62	431	27.93
7	Chilled items	1682	31.70	2280	67.63	2856	71.89
8	Frozen Fish	30946	196.49	25667	208.20	29111	216.38
9	Others	8897	100.29	9160	97.51	7656	79.41
Total		100319	1430.95	100780	1572.18	107293	1670.02

Source - MPEDA

Table XV
Export of Marine Products from India for 2007-08, 2008-09 & 2009-10

SI No	Items	2007-08		2008-09		2009-10	
		Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)	Quantity (in MT)	Value (Rs. in Cr.)
1	Frozen Shrimp	136223	3941.62	126042	3779.88	130553	4182.35
2	Frozen Fish	220200	1303.41	238543	1722.29	260979	2032.33
3	Frozen Squid	34172	408.42	57125	632.35	61445	622.63
4	Frozen Cuttle fish	45955	744.13	50698	760.59	63504	923.83
5	Frozen Lobster	--	--	--	--	--	--
6	Chilled items	6541	118.11	21453	217.34	28817	264.49
7	Live items	2498	69.07	3434	99.00	5492	139.14
8	Dried Items	22414	258.88	31688	420.75	47053	981.11
9	Others	73698	777.29	73851	975.75	80592	902.64
Total		541701	7620.93	602834	8607.95	678436	10048.5

Source - MPEDA

Table XVI

Details of Beneficiaries under Savings cum Relief Scheme (Marine) from 2005-06 to 2009-10

SI No	Name of District	Number of beneficiaries				
		2005-06	2006-07	2007-08	2008-09	2009-10
1	Thiruvananthapuram	23232	24798	24874	25768	29677
2	Kollam	19214	20127	20498	19962	22506
3	Alappuzha	23538	23983	23757	25158	28891
4	Ernakulam	12735	13118	12987	13090	14400
5	Thrissur	5367	5633	5554	5383	5652
6	Malappuram	12223	13674	14717	13974	16485
7	Kozhikode	16025	16244	16959	17521	19621
8	Kannur	3225	3143	3130	3240	3405
9	Kasargode	7319	6867	6968	6930	7428
Total		122878	127587	129444	131026	148065

Table XVII (a)

Number of Fishermen Pensioners (Marine) 2009-10

SI No	Name of District	Marine Pensioners for 2009-10		
		Fishermen	Widow	Total
1	Thiruvananthapuram	5549	800	6349
2	Kollam	4620	708	5328
3	Alappuzha	6521	1065	7586
4	Ernakulam	4295	646	4941
5	Thrissur	1701	436	2137
6	Malappuram	1713	392	2105
7	Kozhikode	1594	748	2342
8	Kannur	998	237	1235
9	Kasargode	1323	244	1567
Total		28314	5276	33590

Source: Fishermen Welfare Fund Board, Kerala

Table XVII (b)

Number of Fishermen Pensioners (Marine) from 2005-06 to 2009-10

SI No	Name of District	Number of Marine Fishermen Pensioners				
		2005-06	2006-07	2007-08	2008-09	2009-10
1	Thiruvananthapuram	5456	6460	6299	5976	6349
2	Kollam	4838	4863	5116	4636	5328
3	Alappuzha	5709	7350	6437	6024	7586
4	Ernakulam	3857	4816	4402	3951	4941
5	Thrissur	1568	2015	1757	1395	2137
6	Malappuram	1419	1978	1735	1675	2105
7	Kozhikode	1450	2433	2140	1985	2342
8	Kannur	1052	1378	1260	1257	1235
9	Kasargode	1279	1674	1557	1485	1567
Total		26628	32967	30703	28384	33590

Source: Fishermen Welfare Fund Board, Kerala

Table XVIII (a)
Number of Allied Workers for the Year 2009-10

Sl.No	Districts	No. of Registered Members		
		Male	Female	Total No. of Registered members
1	Thiruvananthapuram	785	337	1122
2	Kollam	1378	9744	11122
3	Alappuzha	5605	9488	15093
4	Ernakulam	2142	10106	12248
5	Thrissur	1354	1756	3110
6	Malappuram	2362	2708	5070
7	Kozhikode	3986	6173	10159
8	Kannur	1916	340	2256
9	Kasargode	177	134	311
10	Pathanamthitta	570	91	661
11	Kottayam	680	131	811
12	Idukki	115	10	125
13	Wayanad	222	-	222
14	Palakkad	691	4	695
	Total	21983	41022	63005

Source: Fishermen Welfare Fund Board, Kerala

Table XVIII (b)
Number of Allied Worker Pensioners 2009-10

Sl.No.	Name of Districts	Number of Allied Worker Pensioners	
		2008-09	2009-10
1	Thiruvananthapuram	37	39
2	Kollam	490	646
3	Alappuzha	385	561
4	Ernakulam	322	531
5	Thrissur	120	185
6	Malappuram	75	118
7	Kozhikode	319	521
8	Kannur	147	159
9	Kasargode	23	22
10	Kottayam	16	63
11	Palakkad	18	26
	Total	1952	2871

Source: Fishermen Welfare Fund Board, Kerala

Table XIX (a)

Details of Financial Assistance for Education to Marine Fishermen Students during 2009-10

Sino	Name of District	No of Students	Amount (in Rs.)
1	Thiruvananthapuram	9429	24082333
2	Kollam	23777	16499716
3	Alappuzha	19553	16499933
4	Ernakulam	5329	10995437
5	Thrissur	1523	1486539
6	Malappuram	23217	13499889
7	Kozhicode	7062	5299957
8	Kannur	2392	2399940
9	Kasargode	2709	1899557
State		94991	92663301

Table XIX (b)

Details of the NFWF - Housing Scheme in the Marine Sector

Sl. No	Name of District	Target under the scheme-NFWF housing	
		No of Houses	Amount (Rs in Lakh)
1	Thiruvananthapuram	250	100
2	Kollam	200	80
3	Alappuzha	350	140
4	Ernakulam	250	100
5	Thrissur	50	20
6	Malappuram	140	56
7	Kozhikode	105	42
8	Kannur	40	16
9	Kasargode	50	20
Total		1435	574

Table XIX (c)

PERFORMANCE OF THE COMMERCIAL UNITS UNDER MATSYAFED FOR 2009-10

Sl.No.	Unit	Production (Ton)	Sale (Lakh)
1	Matsyafed Net Factory, Cochin	411.12	2102.49
2	Matsyafed OBM Division, Cochin		960.20
3	Matsyafed Ice & Freezing, Cochin	937	610
4	Fish Manure, Azheekode	1915	133.78
5	Fish Manure, Kozhokode	1613	119.40
6	Matsyafed Chitosan Plant, Neendakara	26.03	51.03

Source: MATSYAFED

Table XIX (d)

DISTRICT WISE CONSOLIDATION OF OBM VERIFICATION HELD ON 06-04-2008

Status Report								
Sl. No.	District	Total No. of OBM's verified	OBM's Verified		OBM's Recommended		OBM's Not Recommended	
			Renewal	New	Renewal	New	Renewal	New
1	Thiruvananthapuram	5066	2426	2640	2269	2593	157	47
2	Kollam	1273	749	524	660	471	89	53
3	Alappuzha	3987	3108	879	2822	829	286	50
4	Ernakulam	421	352	69	289	69	63	0
5	Thrissur	859	666	193	549	183	117	10
6	Malappuram	2936	2723	213	2431	190	292	23
7	Kozhikode	2134	1662	472	1558	446	104	26
8	Kannur	1357	883	474	767	417	116	57
9	Kasargode	1410	1092	318	753	121	339	197
Total		19443	13661	5782	12098	5319	1563	463

Source: MATSYAFED

Table XX

Details of fishing vessels registered in Kerala as on 12-05-2011

Name of Marine Districts	Motorized Non Mechanical	Motorized Mechanical	Non Motorized	Total
Thiruvananthapuram	4083	1	731	4815
Kollam	1302	678	62	2042
Alappuzha	3428	55	162	3645
Ernakulam	362	411	64	837
Thrissur	851	69	39	959
Malappuram	2788	204	15	3007
Kozhikode	2470	557	117	3144
Kannur	1383	176	129	1688
Kasaragod	1426	125	58	1609
Total	18093	2276	1377	21746

Source: MATSYAFED

Table XXI

All India Marine Fisheries Statistics as per Census-2005 by CMFRI

Sl. No	Coastal State/ Union Territory	Coastal length (Km.)	No of landing centers	No of fishing villages	No of fishermen families	Fisher folk population
1	West Bengal	158	44	346	53816	269565
2	Orissa	480	57	641	86352	450391
3	Andra Pradesh	974	271	498	129246	509991
4	Tamilnadu	1076	352	581	192152	790408
5	Pondichery		26	28	11541	43028
6	Kerala	590	178	222	120486	602234
7	Karnataka	300	88	156	30176	170914
8	Goa	104	34	39	1963	10668
9	Maharashtra	720	152	406	65313	319397
10	Gujarat	1600	123	263	59889	323215
11	Daman&Diu		7	22	5278	29305
	Total	6002	1332	3202	756212	3519116

Source:- Marine Fisheries Census-2005 by CMFRI

Table XXII

All India details of Active Fishermen as per Census-2005 by CMFRI

Sl. No	Coastal State/ Union Territory	Full time	Part time	Occasional	Total	Fisher folk population
1	West Bengal	50924	15630	4196	70750	269565
2	Orissa	74980	34315	11987	121282	450391
3	Andra Pradesh	109644	13008	15962	138614	509991
4	Tamilnadu	185603	15954	5351	206908	790408
5	Pondichery	9503	401	437	10341	43028
6	Kerala	124103	10488	5631	140222	602234
7	Karnataka	32274	4152	1206	37632	170914
8	Goa	1511	817	187	2515	10668
9	Maharashtra	54901	12484	4689	72074	319397
10	Gujarat	68956	10185	4181	83322	323215
11	Daman&Diu	5600	194	74	5868	29305
Total		717999	117628	53901	889528	3519116

Source: - Marine Fisheries Census-2005 by CMFRI

Table XXIII

Distribution of fishing craft in the country

Coastal State/ Union Territory	Trawlers	Purse-seiners	Gillnetters	Liners	Dolnetters	Others	Total Mechanized	Motorized	Non- motorized	Total
West Bengal	610	0	4355	66	1692	106	6829	1776	10041	18646
Orissa	1340	22	1760	28	254	173	3577	4719	15444	23740
Andra Pradesh	1802	0	424	20	0	295	2541	14112	24386	41039
Tamilnadu	5300	46	655	781	11	918	7711	22478	24231	54420
Pondichery	326	0	177	0	0	124	627	2306	1524	4457
Kerala	3982	54	428	10	0	1030	5504	14151	9522	29177
Karnataka	2515	505	1254	28	0	71	4373	3705	7577	15655
Goa	830	196	47	0	0	14	1087	932	532	2551
Maharashtra	4219	156	2550	253	4409	1466	13053	3382	7073	23508
Gujarat	8002	0	2363	4	2425	253	13047	7376	3729	24152
Daman & Diu	315	4	170	0	71	2	562	654	211	1427
Total	29241	983	14183	1190	8862	4452	58911	75591	104270	238772

Source: - Marine Fisheries Census-2005 by CMFRI

Table XXIV

All India details of the number of families involved in fishing

Coastal State/ Union Territory	Total Families	Involved in fishing			Not going for fishing		Only women involved in fishing allied activities
		No craft	No gear	Neither	Having Craft	Having Gear	
West Bengal	53816	37546	27110	26217	812	1078	171
Orissa	86352	56297	27432	25977	565	2050	1272
Andra Pradesh	129246	75245	61227	58415	1816	3086	6337
Tamilnadu	192152	109085	94566	88979	2138	2548	8681
Pondicherry	11541	5061	4974	4782	254	271	1750
Kerala	120486	82772	82554	79438	1094	1327	6991
Karnataka	30176	15526	13454	12864	748	1064	1691
Goa	1963	628	490	418	32	43	51
Maharashtra	65313	37483	26580	25647	1080	2612	6517
Gujarat	59889	42950	26973	26470	815	1221	1194
Daman & Diu	5278	4083	4004	3914	35	35	457
Total	756212	466676	369364	353121	9389	15335	35112

Source: - Marine Fisheries Census-2005 by CMFRI

Table XXV

**District-wise Infrastructure Facilities in the Marine Villages of Kerala
as per Marine Census 2005 by CMFRI**

District	No of villages	Villages electrified	Villages connected by road	Villages having bus stop/stand	Hospitals	Banks	Co-operative societies	Community centers	Local festivals	Cinema Theatres
Trivandrum	42	42	42	42	61	39	53	27	74	7
Kollam	26	26	26	26	80	31	39	22	67	14
Alappuzha	30	30	30	30	31	33	39	20	60	9
Eranakulam	21	21	21	21	20	27	25	18	61	6
Thrissur	18	18	18	10	30	34	34	13	19	10
Malappuram	23	23	23	21	27	34	38	2	35	10
Kozhicode	35	35	35	35	52	51	75	14	66	11
Kannur	11	11	11	9	24	38	46	10	36	9
Kasaragode	16	16	13	9	32	19	32	11	40	7
Total	222	222	219	203	357	306	381	137	458	83

Source: - Marine Fisheries Census-2005 by CMFRI

Table XXVI

**District-wise Fishery related Infrastructure Facilities in the Marine Villages of Kerala
as per Marine Census 2005 by CMFRI**

District	Boat yards	Ice factories	Cold storages	Freezing plants	Curing Yards	Peeling sheds	Fishmeal plants
Trivandrum	25	19	3	2	0	2	0
Kollam	19	45	7	20	10	29	0
Alappuzha	18	62	16	15	52	93	0
Eranakulam	17	57	3	17	2	12	0
Thrissur	2	12	0	0	12	6	0
Malappuram	1	16	0	0	3	0	0
Kozhicode	21	64	2	2	288	11	4
Kannur	9	25	0	0	47	0	0
Kasaragode	0	15	0	0	0	0	
Total	112	315	31	56	414	153	4

Source: - Marine Fisheries Census-2005 by CMFRI

Table XXVII

Annual Trawl Ban Periods in Kerala since inception

Year	From	To	Days	Remarks
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	„

Table XXVIII (a)

Completed Fishing Harbours and Expenditure Incurred

Sl. No	Name of Fishing Harbour	Expenditure incurred as on 31/03/2010 (in Lakhs)
1	Kayamkulam	2527.340
2	Thankassery	4108.671
3	Neendakara	1659.052
4	Munambam	1918.444
5	Puthiyappa	1185.303
6	Chompal	927.157
7	Maplabay	1104.405
8	Bey pore	254.350 (Modernisation)

Source: Harbour Engineering Department, Kerala

Table XXVIII (b)

Expenditure on Fishing Harbours as on 31.3.2010

Sl. No.	Name of Harbour	Expenditure incurred as on 31.03.2010 (Rs. in Lakh)
1	Vizhinjam	1637.026
2	Muthalappozhi	1301.500
3	Thankassery	4108.671
4	Neendakara	1659.052
5	Kayamkulam	2527.34
6	Thottappally	1407.28
7	Ponnani	2440.44
8	Chombal	927.157
9	Thalai	1228.25
10	Koyilandi	2494.798
11	Chethi	435.27
12	Arthunkal	418.17
13	Chellanam	543.35
14	Munambam	1918.444
15	Bey pore	254.35
16	Puthiyappa	1185.303
17	Moplabay	1104.405
18	Kasargod	138.597
	Total	25729.403

Source; Harbour Engineering Department, Kerala

Table XXIX

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

Sl. No	Name of Project	Upto 2005-06 (Rs. in Lakh)	2006-07 (Rs. in Lakh)	2007-08 (Rs. in Lakh)	2008-09 (Rs. in Lakh)	2009-10 (Rs. in Lakh)	Total (Rs. in Lakh)
FISHING HARBOURS							
1	Neendakara	1060.1	100.70	96.46	114.6915	97.0936	1371.9515
2	Puthiyappa	282.93	45.26	71.79	119.4242	142.4135	519.4042
3	Munambom	90.06	1.62	0.11	0.0324	0.1869	91.8224
4	Mopla Bay	20.59	11.28	8.50	3.8625	11.0663	44.2325
5	Chombal	76.04	8.32	8.33	5.3397	8.2107	98.0297
6	Azheekal	16.25	2.22	0.07	0.0378	3.8047	18.5778
7	Beypore	37.98	10.06	3.51	5.9047	2.4066	57.4547
8	Thankasserry	174.48	22.82	29.50	26.6215	18.6363	253.4215
	Total	1758.43	202.28	218.27	275.9143	283.8186	2454.8943
FISH LANDING CENTRES							
1	Munnakkadavu	3.3	0.76	1.53	1.4635	0.4312	7.0535
2	Thottappally	6.77	0.003	0	0.1443	0.157	6.9173
3	Neeleswaram	2.47	0.03	0	0.5475	0.3568	3.0475
4	Dharmadom	4.76	0.64	1.67	0.7623	0.3706	7.8323
5	New Mahe	6.37	0.63	0.59	0.5909	0.6258	8.1809
6	Vellayil Beach	8.11	1.17	1.76	0.796	1.884	11.836
7	Cheruvathoor	7.21	0.56	.65	1.0398	0.6855	9.4598
8	Chalil-Gopalapettah	1.14	0.13	0.14	0.1172	0.1299	1.5272
9	Quilandy	2.37	0.11	0.05	0.132	0	2.662
10	Chettuva	12.15	1.48	1.37	1.785	0.2119	16.785
11	Palacode	1.56	0.56	0.02	0	0	2.14
	Total	56.21	6.073	7.78	7.3785	4.8527	77.4415
GRAND TOTAL		1814.64	208.353	226.05	283.2928	288.6713	2532.3358

Source: Harbour Engineering Department, Kerala

Table XXX (a)
**Details of Welfare Relief Schemes Implemented by Kerala Fishermen's Welfare Fund Board
during the Year 2009-10**

Sl. No	Details of Scheme	No. of beneficiaries	Amount Spend (in Rs.)
1	Group Insurance Scheme		
	a) Accidental Death/Missing	149	14900000
	b) Permanent Total Disability	1	100000
	c) Permanent Partial Disability	19	533000
	d) Funeral expense	61	69505
	e) Education Fund	29	280000
2	Death while fishing or immediately thereafter not due to accident	14	280000
3	Financial Assistance for the marriage of daughters of fishermen	1903	2854500
4	Financial Assistance for the death of dependents	400	240000
5	Old age Pension	30333	113904892
6	Temporary disability	273	123030
7	Financial Assistance to the dependents for the death of fishermen	601	2990000
8	SSLC cash award to the dependents for the death of fishermen	118	464070
9	Family welfare schemes	174	87000
10	a) Financial Assistance for treatment of fatal diseases	353	5580100
	b) Invalid Pension	3	5100
11	Widow Pension	5460	20928394
12	Chairman's Relief Fund	12	25500
13	Special cases sanctioned by the board	13	278736
14	Maternity Benefit Scheme	240	180000
15	Matsya Board Guidance Centre		
16	Cash Award for higher Education	10	51150
17	Craft Insurance Premium	50	448543
18	Insurance Premium for Fishermen	235904	12974720
19	Compensation for 2002-03 non insurance period	-	
20	Biometric Card Issuance - survey		349372
21	Spl. Tution Assistance to Schools	11 Schools	110000
22	Sports promotion for School	1 School	50000
23	Craft Insurance compensation	8	144476
24	Craft Insurance premium		460816
	TOTAL	276140	178412904
	ALLIED WORKERS WELFARE SCHEME		
1	a) Group Insurance Scheme		
	b) Accident Death	3	300000
	c) PPD (Permanent Partial Disability)	1	10000
	d) Funeral expense	2	3000
2	Financial Assistance to the dependents for the death of Allied Works	45	222000
3	Maternity Benefit Scheme	7	5250
5	Old age Pension	2871	10652415
6	SSLC cash award to the students who score highest marks	14	59910
	Cash award for higher education	2	11040
7	Special cases sanctioned by the board	1	7500
8	Fatal diseases	42	390960
9	Marriage Assistance	109	163500
10	Sterilization Operation	2	1000
11	Insurance Premium	63001	3465055
	TOTAL	66100	15291630
	GRAND TOTAL	342240	193704534

Source: Fishermen Welfare Fund Board, Kerala

Table XXX (b)

**Details of Welfare Relief Schemes Implemented by Kerala Fishermen's Welfare Fund Board
during the Year 2008-09**

Sl. No	Details of Scheme	No. of beneficiaries	Amount Spend (in Rs)
1	Group Insurance Scheme		
	a) Accidental Death/Missing	39	3900000
	b) Permanent Total Disability	-	-
	c) Permanent Partial Disability	5	179000
	d) Funeral expense	6	6000
	e) Education Fund	1	10000
2	Death while fishing or immediately thereafter not due to accident	10	200000
3	Financial Assistance for the marriage of daughters of fishermen	3633	5449500
4	Financial Assistance for the death of dependents	656	373200
5	Old age Pension	25439	40018250
6	Temporary disability	510	207557
7	Financial Assistance to the dependents for the death of fishermen	739	3683000
8	SSLC cash award to the dependents for the death of fishermen	91	384562
9	Family welfare schemes	284	142000
10	a) Financial Assistance for treatment of fatal diseases	309	5007983
	b) Invalid Pension	11	6900
11	Widow Pension	4659	6712320
12	Chairman's Relief Fund	11	20000
13	Special cases sanctioned by the board	260	1640508
14	Maternity Benefit Scheme	631	473280
15	Matsya Board Guidance Centre	-	-
16	Cash Award for higher Education	-	-
17	Craft Insurance Premium	-	1000000
18	Insurance Premium for Fishermen	235718	7071540
19	Compensation for 2002-03 non insurance period	-	-
	TOTAL	273012	76485600
	ALLIED WORKERS WELFARE SCHEME		
1	a) Group Insurance Scheme	4	400000
	b) Funeral expense	3	3000
	c) Education Fund	2	20000
2	Financial Assistance to the dependents for the death of Allied Works	54	262000
3	Maternity Benefit Scheme	34	25500
4	Old age Pension	1952	1632119
5	SSLC cash award to the students who score highest marks	8	35990
6	Special cases sanctioned by the board	48	160066
7	Fatal diseases	79	572498
8	Marriage Assistance	302	453000
9	Sterilization Operation	10	5000
10	Insurance Premium	55432	1662960
	TOTAL	57928	5232133
	GRAND TOTAL	330940	81717733

Source: Fishermen Welfare Fund Board, Kerala

Table XXXI (a)

**The existing rates of fee for Registration and licensing of fishing vessels
as per Kerala Marine Fishing Regulation Act
(G.O (P) No. 11/2007/F&PD)**

Sl. No.	Class of fishing vessel	Amount of fees (Rs.)	Amount of security to be furnished (Rs.)
<u>Licensing</u>			
1	Country fishing crafts fitted with mechanical means of propulsion	100	nil
2	Mechanised fishing boats upto 30' in length	500	1000
3	Mechanised fishing boats of more than 30' but less than 37' in length	750	1500
4	Mechanised fishing boats of 37' and above but less than 56' in length	1000	2000
5	Mechanised fishing vessels of 56' and above in length	1500	3000
<u>Registration</u>			
1	Non-mechanised country crafts	50	
2	Country -crafts fitted with Mechanical means of propulsion	up to 10 HP	100
		above 10 HP	200
3	Mechanised fishing boats up to 36' in length	250	
4	All other kinds of vessels	500	

Table XXXI (b)

Existing rates of user charges/fees for various services/facilities rendered by Fisheries and Harbour Engineering Departments

(as per G.O. (Ms) No. 21/2001/F&PD dtd 1.08.2001 &
revised as per G.O.(Ms) No.10/2002/F&PD dtd 16-07-2002, G.O (Ms) No.18/09/F&PD dtd 25-02-2009)

Sl. No	Description	Original Rate (Rs)	Existing Revised rate (Rs)
<u>Fisheries Sector</u>			
I	Chinese net/Stake net (fees are fixed based on the income)		
a	Above Rs. 1,000/-	100	200 per annum
b	Between Rs. 750-1000	75	150 per annum
c	Below Rs. 750	50	100 per annum
II	Free net		

a	Class I	30	100 per annum
b	Class II	20	100 per annum
c	Class III	15	100 per annum
d	Class IV	10	100 per annum
e	Class V	5	50 per annum
f	Class VI	5	50 per annum
III	Kolenet, Kodinet and other nets (per year)	20	250 per annum
IV	Chemmeen Vatt	50 (per Acre)	150 per annum (per Acre)
Harbour Engineering Department			
I	GATE COLLECTION		
a	Hand Cart	4.00 per entry	4.00 per entry
b	Cycle	4.00 per entry	3.00 per trip
c	Auto Truck	6.00 per entry	6.00 per entry
d	Tempo/Mini Van	10.00 per entry	10.00 per entry
e	Mini lorry (6 Wheeler)	16.00 per entry	16.00 per entry
f	Lorry	24.00 per entry	24.00 per entry
g	Autorikshaw with 3 persons or less	10.00 per entry	8.00 per trip
h	Motorcycle/Scooter/Moped with one or two passenger(s)	6.00 per entry	6.00 per entry
i	Motor Car	10.00 per entry	10.00 per entry
j	Ice	0.50 per block of 50 Kg	0.30 per block of 50 Kg
k	Public Persons :		
	between 4 PM and 6 PM	1.00 per person per entry	1.00 per person per entry
	for remaining hours	4.00 per person per entry	4.00 per person per entry
II	LANDING CHARGES		
a	Pursiene Boat	100.00 per landing	100.00 per landing
b	Trawl Net Boat	22.00 per landing	20.00 per landing
c	Gill Net Boat	16 .00 per landing	16 .00 per landing
d	Vallom (2 OBM)	20.00 per landing	20.00 per landing
e	Vallom (1 OBM)	6.00 per landing	5.00 per landing
f	Vallom (without OBM)	--	
III	BERTHING CHARGES		
a	Boats	8.00 per day	8.00 per day
IV	WHARFAGE		
a	Hand cart (Fish)	20.00 per trip	10.00 per trip
	Hand cart (Crustaceans)	60.00 per trip	50.00 per trip

b	Auto Truck (Fish)	20.00 per trip	18.00 per trip
	Auto Truck (Crust)	100.00 per trip	80.00 per trip
c	Tempo/Mini Van (Fish)	60.00 per trip	50.00 per trip
	Tempo/Mini Van (Crust)	200.00 per trip	150.00 per trip
d	Mini Lorry (Fish) 6 Wheeler	80.00 per trip	70.00 per trip
	Mini Lorry (Crust) 6 Wheeler	400.00 per trip	350.00 per trip
e	Lorry (Fish)	100.00 per trip	80.00 per trip
	Lorry (Crust)	600.00 per trip	500.00 per trip
f	Head Load (Fish)	1.00 per trip	1.00 per trip
	Head Load (Crust)	10.00 per trip	5.00 per trip
V	RENEWAL OF LICENCES		
a	Auction Agents	100.00 per month	100.00 per month
b	Merchants	380.00 per month	300.00 per month
c	Petri Merchants	60.00 per month	50.00 per month
d	Ice Sellers	150.00 per month	75.00 per month
e	Woman vendors/Labourers	4.00 per month	2.00 per month
f	Harbour workers	100.00 per annum	75.00 per annum
VII	GROUND RENT FOR REPAIR YARD		
	Open area	20.00 per day	20.00 per day
	Covered area	30.00 per day	30.00 per day
VII	NEW SOURCES OF REVENUE		
	Entry fee to breakwaters	1.00 per each	avoided

Table XXXII (a)

Budget Outlay & Expenditure in Fisheries Sector from 2004-05 to 2009-10

Year	Budgeted Outlay (Rs. in lakh)	Expenditure (Rs. in lakh)	Percentage
2004-05	4299.65	3593.64	83.58
2005-06	5278.00	4247.16	80.47
2006-07	7380.06	7240.09	98.10
2007-08	10725.04	8725.02	81.35
2008-09	16028.70	15790.66	98.52
2009-10	11831.66	11491.78	97.13

Table XXXII (b)

Scheme-Wise Budget Outlay and Expenditure for the Year 2009-10

Sl. No	NAME OF SCHEME AND HEAD OF ACCOUNT	2009-10		
		Budget Estimate (in lakhs)	Revised Estimate (in lakhs)	Expenditure (in lakhs)
	2405- FISHERIES			
	2405-00-001- Direction and Administration			
1	97- Project Management Cell	9	9	7.92
	Total under 2405-00-001	9	9	7.92
	2405-00-101- Inland fisheries			
1	94- Patrolling in Backwaters	10	10	9.95
2	87- Setting up of Nurseries	20	20	19.94
3	76- Integrated project for the development of prawn culture in Pokali lands	20	20	20
4	74- Ranching of open water bodies and reservoir fisheries	20	20	24.74
5	71- Integrated scampi/fish culture in Kol lands of TSR and Pokkali fields of Kuttanad	40	40	40
6	66- NFDB assisted scheme for inland fisheries/ production enhancement (75%CSS)	280	280	280
7	65- Paddy fish integration for economic and ecological security under kuttanad package(100% CSS)			40.5
8	64- Cluster based cage culture of pearl spot under Kuttanad package (100% CSS)			20
9	63- Enhanced production of fish/ prawn seed by strengthening Dept/ private hatcheries under Kuttanad package (100% CSS)			6
	Total under 2405-00-101	390	390	461.13
	2405-00-103- Marine fisheries			
1	99- Patrolling in territorial waters for regulating marine fishing	120	120	89.79
2	94- Sea Ranching	10	10	9.98
3	92- Development of deep sea fishing	25	25	25
	Total under 2405-00-103	155	155	124.77
	2405-00-105- Processing, Preservation & Marketing			
1	96- Value Addition & Marketing	50	50	51.39
2	95- Development of Industrial fisheries and support programmes	25	25	23
	Total under 2405-00-105	75	75	74.39
	2405-00-109- Extension and training			
1	98- Fisheries Schools and training Centres	60	60	66.95
	Total under 2405-00-109	60	60	66.95

	2405-00-190- Assistance to Public Sector and other undertakings			
	98- Grand in Aid to Kerala Agriculture University	--		8.18
	2405-00-800- Other Expenditure			
1	97- Extension	50	50	41.82
2	87- Modernisation of country crafts	15	15	15.00
3	86- Housing scheme assisted by National Fishermen Welfare Fund (50% CSS)	700	700	699.65
4	85- Subsidy for Bankable Schemes	30	30	30.00
5	82- Group Insurance to fishermen premium to GIC (50% CSS)	120	129.75	129.75
6	76- Integrated Fisheries Development project-phase-II (NCDC 100%CSS)	5	5	80.00
7	75- National Fishermen Welfare Fund assisted savings cum relief scheme to fishermen(50%CSS)	560	560	800.00
8	68- Suitable components for fishing gear(50% CSS)	20	20	10.00
9	60- In-service to fisheries personal	5	5	1.45
10	50- Insurance Scheme for allied workers engaged in fisheries related activities	15	34.65	34.65
11	49- Development of coastal social infrastructure facilities	50	50	35.62
12	47- Self help group for fishermen and micro enterprises	50	50	50.00
13	42- Rebate on HSD oil to fishermen (80%CSS)	125	125	22.73
14	41- Financial assistance to fishermen who lost their inputs in the tsunami (TEAP)		940	818.03
15	38- Publication of hand books	2.5	2.5	
16	33- Integrated coastal area development project	500	1000	1000.00
17	27- Insurance Coverage of fishing Implements	100	100	40.00
18	26- Application of Information Technology	10	10	19.87
19	25- Tsunami rehabilitation programme			200.00
20	24- Debt relief Programme for fishermen outside Tsunami Area	1000	1000	1000.00
21	23- Interest subsidy for loan from Financial Institutions	100	100	100.00
22	20- Matsya Keralam	150	150	150.00
23	19- Special support scheme for Fisher Folk	1000	1000	1000.00
24	17- One time grant to fisheries college, Panangad		100	100.00
25	16- Thanneermukkom Sampoorana Matsya grama project for establishing modern fish processing culture		0.01	50.00
26	14- Strengthening of database and Geographical information system of fisheries sector (100% CSS)			68.48
27	13- India international Aqua show (100% CSS)			5.00

28	12-	GPS – VHF Radio Information network for Marine Fisheries (100% CSS)			35.00
		Total under 2405-00-800	4607.5	6176.91	6537.06
		Total under 2405	5296.5	6865.91	7280.4
		4405- CAPITAL OUTLAY ON FISHERIES			
		4405-00-101- Inland Fisheries			
1	95-	Setting up of nurseries	80	80	80.00
		Total under 4405-00-101	80	80	80.00
		4405-00-103- Marine Fisheries			
1	98-	Integrated Fisheries Devpt. Project (NCDC 100 %)	5	5	907.00
		Total under 4405-00-103	5	5	907.00
		4405-00-104- Fishing Harbours and Landing Facilities			
1	98-	Construction of fish landing centres for mechanised boats (50% Central assistance)			0.80
2	97-	Development of Vizhinjam fishing Harbour (50%CSS)	--	26.23	22.75
3	95-	Establishment of landing centers for traditional fishermen	10	10	4.25
4	91-	Fishing harbour at Ponnani (50% CSS)	300	500	650.49
5	88-	Fishing harbour at Chombal (50% CSS)	--	0.5	0.49
6	85-	Fishing harbour at Muthalappozhi (50% CSS)	1	91	103.91
7	84-	Fishing harbour at Thalai (50% CSS)	50	350	343.29
8	83-	Investigation of new fishing harbours	10	10	12.29
9	81-	Fishing harbour at Thottappally (50 % CSS)	100	100	100.00
10	80-	Fishing harbour at Quilandy (50% CSS)	200	200	293.05
11	79-	Dredging of fishing harbours /fish landing centres	50	50	19.74
12	78-	Modernisation of Fishing harbours and landing centres	100	100	96.36
13	77-	Fishing harbour at Kasaragode (50 % CSS)	10	10	4.68
14	76-	Inland Fishing Centres at Sampranikodi, Muhamma and Bakel	--	20	18.22
15	75-	Repairs and renovations for improvement of Hygienic requirements of completed and commissioned fishing harbours at Maplaybay, Chombal, Puthiyappa and Neendakara (50%CSS)	--	5.01	12.40
16	74-	Fishing harbour at Chethi (50 % CSS)	--	121	23.17
		Total under 4405-00-104	831	1593.74	1705.91
		4405-00-190-			
1	98-	Share capital contribution to Kerala coastal development corporation	9	9	9.00
		4405-00-800- Other expenditure			
1	99-	Buildings (fishery Schools and training centres)	20	20	17.98
2	93-	Extension	55	55	52.10

3	87-	Seed capital for NBCFDC and NMFDC Schemes	80	80	80.00
4	85-	Development of Coastal Social Infrastructure Facilities	--	7.13	6.10
5	82-	Rural Infrastructure Fund (NABARD assisted scheme)	500	750.92	1443.18
6	81-	Integrated Coastal Area Development Project under RIDF	500	500	
7	79-	Viability gap funding for infrastructure	-	0.01	
8	78-	Construction of bridge at northern side of Andhakaranazhi in Alappuzha			25.58
		Total under 4405-00-800	1155	1413.06	1624.94
		Total - 4405	2080	3100.8	4326.85
	6405-	LOANS FOR FISHERIES			
	6405-00-195-	Loans to fishermen's Co-operatives			
1	99-	Loans to Matsyafed for integrated pilot project for fisheries Development (NCDC assisted)	1925		1023.00
		Total under 6405-00-195	1925	1925	1023.00
		Total - 6405	1925	1925	1023.00
		Grand Total - 2405, 4405, 6405	9301.5	11891.71	12630.25