



**Government of Kerala
Department of Fisheries
Thiruvananthapuram**

Kerala Inland Fisheries Statistics 2013

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Preface

Fisheries and aquaculture is an important sector of food production, providing nutritional security to the food basket. Inland fish production provides significant contribution to animal protein supplies in rural areas of the state. Most of the inland production is consumed locally and marketed domestically. Production of quality fish seeds along with measures for seed certification, disease diagnosis and other measures for health management are also targeted during XIIth plan period. For increasing the inland production through the maximum utilization of the resources augmenting the aquaculture production and productivity through diversification and intensive aquaculture practices, ensuring conservation and management through responsible and participatory approaches, introduced the project Matsyasamrudhi during the XIIth Five Year Plan.

Kerala is blessed with a large number of water bodies both fresh water and brackish water rivers, interconnected backwaters (Kayals), estuaries & backwaters. The state is also endowed with vast resources in terms of ponds & tanks, rivers & canals, reservoirs, lakes and other water bodies having immense scope for development of fisheries to strengthen the food security, generate employment opportunities and earn foreign exchange with the ultimate objective of improving the socio economic status of fishers and other people engaged in the sector.

.The statistical details presented in the ensuing tables will give a bird's eye view of the Inland sector of Kerala. We hope this publication will be useful to the Planners, Researchers and other data users. Suggestions to improve the quality as well as the contents of this publication are most welcome.

Thiruvananthapuram

25-08-2014

Sd/-

Mini Antony IAS

Director of Fisheries

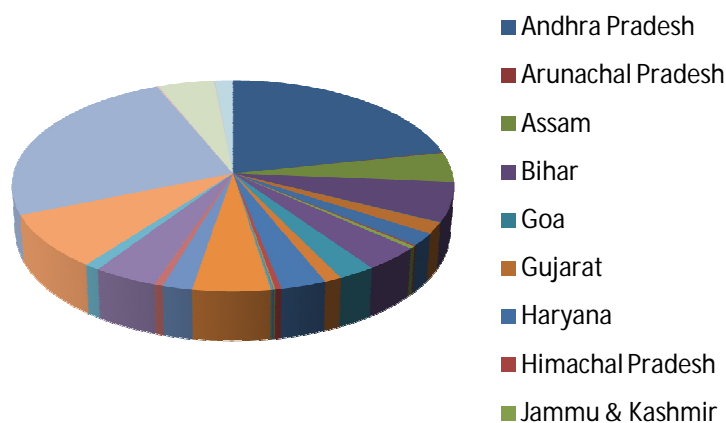
Introduction

Kerala lies North Latitude between 08° 18' and 12° 48' East latitude between 74° 52' and 77° 22', is blessed with 44 rivers, reservoirs, number of irrigation tanks, streams, waterfalls, ponds backwaters etc. These water bodies make the land green and fertile and contribute a rich resource of inland production. Among the total inland production in India Kerala contributes more or less 2%. Due to the successful effort of the Fisheries Department by introducing modern technologies and popularising the aquaculture activities among common people, the inland fish production shows a considerable upward growth.

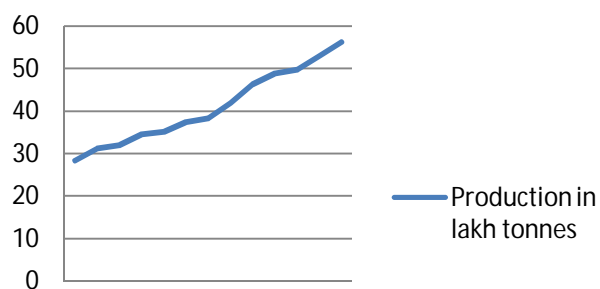
INLAND FISHERIES STATISTICS –ALL INDIA

Total inland water bodies (lakh Ha)	73.59
Rivers & canals (Km)	195210
Reservoirs (Lakh ha)	29.07
Tanks & ponds (lakh Ha)	24.14
Flood plain lakes/derelict waters (lakh Ha)	7.98
Brackish water (lakh Ha)	12.40
Fish production in 2012-13(lakh tonnes)	56.32

State-wise inland Fish Production 2010-11 (in '000 Tonnes)



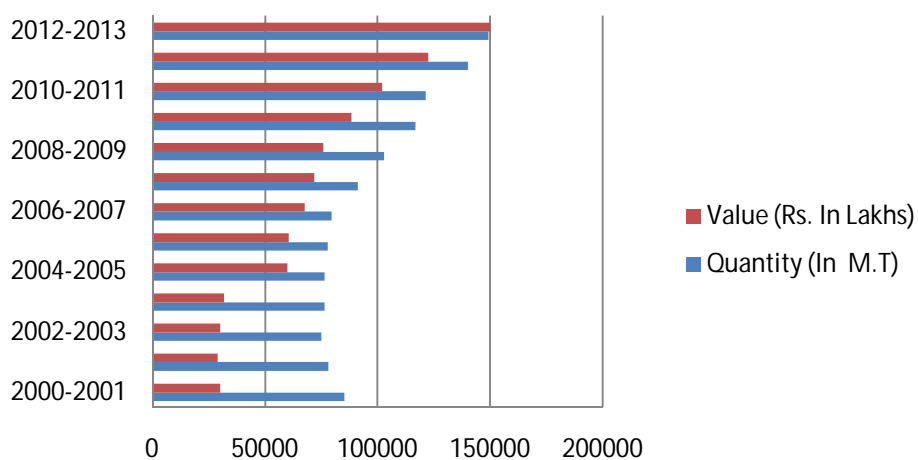
Inland fish production in India



INLAND FISHERIES STATISTICS –KERALA

Rivers (Km)	3220
Reservoirs(ha)	34180
Backwaters(ha)	46129
Fresh water lakes(ha)	1620
Fish production in 2012-13(lakh tonnes)	1.49
% of inland production to all India production	2.65

Inland fish production & value



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KERALA INLAND FISHERIES STATISTICS – 2013

Selected indicators

Area	:	38863 Sq. Kms
No of districts	:	14
No of CD blocks	:	152
No of Taluks	:	63
No of grama panchayaths	:	978
No of Municipalities	:	60
No of Corporations	:	5
Coastline of Kerala	:	590 Kms
No of Rivers	:	44
Population (2011 census)		
	Male	: 16027412
	Female	: 17378649
	Total	: 33406061
Density of population	:	859 per sq. km.
Sex ratio	:	1084
Literacy rate	:	92.66%

Fisheries Sector

Fishing villages		
	Inland	: 113
	Marine	: 222
Fishermen Population (<i>estimated</i>) during 2012-13		: 1006662
Marine		775130
	Male	: 303658
	Female	: 271989
	Children	: 199483
Inland		231532
	Male	: 89943
	Female	: 86515
	Children	: 55074
Active Fishermen (2012-13)		: : 234904
	Marine	: 197921
	Inland	: 36983
Fish production 2012-13		: 6.80 Lakh MT
	Marine	: 5.31 Lakh MT
	Inland	: 1.49 Lakh MT

Table-1

**WATER RESOURCES FOR THE DEVELOPMENT OF INLAND FISHERIES
IN KERALA – AT A GLANCE**

Sl. No.	Item	Number	Area (ha)
A. <u>FRESHWATER RESOURCES</u>			
1	Private ponds	34447	8494.258
2	Panchayat Ponds	7340	1367
3	Quarry Ponds	1162	322.405
4	Holy Ponds	3224	400.427
5	Irrigation Tanks	1051	2313.27
6	Private Sector-Freshwater Fish Farms	4718	648
7	Public Sector-Freshwater Fish Farms	13	85
8	Freshwater springs	7	..
9	Freshwater lakes	9	1620
10	Water Falls	11	..
11	Rivers	44	85000
12	Reservoirs	49	34180
13	Check Dams	80	259
14	Bund/Barrier/Anicut/Shutter water holds	70	879
B. <u>BRACKISHWATER RESOURCES</u>			
15	Brackish water Area	..	65213
16	Backwaters	53	46129
17	Prawn Filtration fields	474	4366
18	Public Sector Brackish water fish farms	12	227
19	Estuaries (Azhi / Pozhi)	84	..
20	Mangrove Area	..	2189

Table-2

DETAILS OF RIVERS IN KERALA

Sl. No.	Name of Rivers	Length (Kms)	Sl. No.	Name of Rivers	Length (Kms)
1	Manjeswar	16	22	Tirur	48
2	Uppala	50	23	Bharathapuzha	209
3	Shriya	67	24	Kecheri	51
4	Mogral	34	25	Puzhakkal	29
5	Chandragiri	105	26	Karivannoor	48
6	Chittari	25	27	Chalakudy	130
7	Nileswar	46	28	Periyar	244
8	Kariyangode	64	29	Moovattupuzha	121
9	Kawayi	31	30	Meenachil	78
10	Peruvamba	51	31	Manimala	90
11	Ramapuram	19	32	Pamba	176
12	Kuppam	82	33	Achankoil	128
13	Valapattanam	110	34	Pallichal	42
14	Anjarakandi	48	35	Kallada	121
15	Tellichery	28	36	Ithikkara	56
16	Mahi	54	37	Ayirur	17
17	Kuttiyadi	74	38	Vamanapuram	88
18	Korapuzha	40	39	Mamam	27
19	Kallayi	22	40	Karamana	68
20	Chaliyar	169	41	Neyyar	56
21	Kadalundi	130		TOTAL	3092

East flowing Rivers:

Sl.No.	Name of Rivers	Length (Kms)	Remarks
1	Kabani	63	Flows only a few kms through Kerala
2	Bhavani	39	
3	Pampar	26	

Table-3

LIST OF BACKWATERS OF KERALA

Sl.No	Name of District	Nos.	Name of Backwater	Area (Ha)
1	Thiruvananthapuram	1	Poovar Kayal	30.93
		2	Poonthura Kayal	97.59
		3	Veli Kayal	22.48
		4	Kadinamkulam Kayal	346.88
		5	Anchuthengu Kayal	521.75
		6	Edava – Nadayara Kayal	157.65
		TOTAL			1177.28
2	Kollam	1	Paravoor Kayal	662.46
		2	Ashtamudi Kayal	6424.15
		3	Kayamkulam Kayal	140.58
		TOTAL			7227.19
3	Alappuzha	1	Kayamkulam Kayal	1511.75
		2	Poomeen Kayal	3.37
		3	Vadakkal Kayal	1.46
		4	Chethi Kayal	4.11
		5	Arthungal Kayal	5.96
		6	Pozhichal Kayal	20.41
		7	Vettakkalchal Kayal	27.10
		8	Vembanattu Kayal	10661.23
		TOTAL			12235.39
4	Kottayam	1	Vembanattu Kayal	2926.77
		TOTAL			2926.77
5	Ernakulam	1	Vembanattu Kayal	2257.89
		2	Kochi Kayal	7503.80
		TOTAL			9761.69
6	Thrissur	1	Azhikode Kayal	82.02
		2	Kodungalloor Kayal	613.81
		3	Chettuva Kayal	713.87
		4	Pattikkara Kayal	..
		5	Manakkady Kayal	..
		TOTAL			1409.70
7	Malappuram	1	Puthupponnani	150.83
		2	Ponnani Kayal	757.19
		3	Poorappuzha	62.98
		4	Kadalundi Kayal	323.56
		TOTAL			1294.56

Sl.No	Name of District	Nos.	Name of Backwater	Area (Ha)
8	Kozhikode	1	Kadalundi Kayal	83.85
		2	Beyepore Kayal	783.74
		3	Kallai Kayal	160.13
		4	Korappuzha	1038.08
		5	Payyoli Puzha	26.70
		6	Kottapuzha	584.12
		7	Newmahe Puzha	88.28
		TOTAL			2764.90
9	Kannur	1	Mahe	91.89
		2	Dharmadam Kayal	359.06
		3	Valappattanam	3077.64
		3	Palakkode	598.25
		4	Cheruvathur	30.58
		TOTAL			4157.42
10	Kasaragode	1	Cheruvathur	1123.12
		2	Nilewaram	824.69
		3	Chittari Kayal	89.33
		4	Bekal Kayal	43.37
		5	Kappil Pozhi	2.22
		6	Neembil Kayal	22.47
		7	Chandragiri	575.81
		8	Mogral Puthur	89.74
		9	Kumbala	221.54
		10	Suvarnagiri	6.22
		11	Manjeswaram	158.41
		12	Thalappady	17.12
		TOTAL			3174.04
GRAND TOTAL			46128.94	

Table 4
DISTRICT WISE DETAILS OF FRESH WATER RESOURCES

Sl No	District	Panchayath ponds		Holy ponds and streams		Village ponds and other water holds		Irrigation tanks	
		No	Area(Ha)	No	Area(Ha)	No	Area (Ha)	No	Area (Ha)
1	Thiruvananthapuram	1706	297.25	67	20.03	..	..	34	1.54
2	Kollam	589	62.93	188	24.96	16	35.55	17	150.26
3	Pathanamthitta	390	43.28	66	3.97	..	..	6	15.48
4	Alappuzha	340	322.56	303	44.24	..	..	3	16.18
5	Kottayam	226	19.05	207	25.53	7	0.40	75	19.07
6	Idukki	65	2.81	25	0.71	..	..	47	4.03
7	Ernakulam	719	233.17	201	26.94	54	245.94	72	13.98
8	Thrissur	959	240.68	305	111.77	3	40.48	228	507.72
9	Palakkad	629	176.84	334	145.59	6	32.25	60	759.18
10	Malappuram	545	38.14	275	15.43	7	2.04	45	6.10
11	Kohikkode	96	13.53	264	17.64	11	2.10	24	1.11
12	Wayanad	28	5.16	5	2.08	22	10.66	61	5.44
13	Kannur	292	19.86	312	35.77	9	97.13	35	90.01
14	Kasargode	264	11.43	137	4.71	50	25.94	145	1244.28
Total		6848	1486.69	2689	479.37	185	492.49	852	2834.38

Table-5

DETAILS OF RESERVOIRS OF KERALA

District	Block	Panchayat	Sl. No	Name of the Reservoir	Ownership	Name & Type of Barrier constructed	Area (MWL) Ha.	Present Use
1	2	3	4	5	6	7	8	9
Thiruvananthapuram	Perunkadavila	Kalikkadu	1	1 Neyyar Dam	P.W.D	Masonry	1500	Irrigation
	Nedumangadu	Aruvikkara	2	2 Aruvikkara Dam	Water Authority	Masonry	258	Water supply
	Vellanadu	Vithura	3	3 Peppara Dam	Water Authority	Masonry	582	Water supply & Power generation
						Total	2340	
Kollam	Anchal	Thenmala	4	1 Thenmala Dam	State Govt. (KIP)	Masonry	2590	Hydro Electric, Irrigation, Fish Culture
						Total	2590	
Pathanamthitta	Ranny	Vadasserikara	5	1 Maniyar	Minor Irrigation Department (P.I.P)	Earthen	110	
		Seethathode	6	2 Pampa	Electricity Board	Masonry	570	Power generation
			7	3 Kakki	Electricity Board	Concrete	1800	
			8	4 Gavi & Kullar Dam	Kerala Forest Development & KSEB	Earthen	25	Irrigation
						Total	2505	
Idukky	Adimali	Konnathady	9	1 Ponmudi Dam	K.S.E.B	Concrete	260	Hydal Project
			10	2 Neriya Mangalam	K.S.E.B	Concrete	413	Hydal Project
			11	3 Edamalayar Dam	K.S.E.B	Concrete	350	Hydal Project
		Vellathooval	12	4 Chenkulam Dam	K.S.E.B	Concrete	33	Hydal Project
			13	5 Kallarkutty Dam	K.S.E.B	Concrete	58	Hydal Project
	Devikulam	Munnar	14	6 Mattupetti Dam	K.S.E.B	Concrete	324	Hydal Project
		Devikulam	15	7 Gundala Dam	K.S.E.B	Concrete	230	Hydal Project

1	2	3	4	5	6	7	8	9
Idukky (cont'd)		Chinnakanal	16	8 Munnar Head workers Dam	K.S.E.B	Concrete	250	Mini Diversion.
			17	9 Anayirankal Dam	K.S.E.B	Earthen	433	Diversion
	Nedumkandam	Nedumkandam	18	10 Kallar Division Dam	K.S.E.B	Concrete	220	Diversion
	Idukki	Kanjikuzhy	19	11 Lower Periyar Dam	K.S.E.B	Concrete	6160	Hydal Project
			20	12 Idukki Arch Dam	K.S.E.B			
			21	13 Kulamavu Dam	K.S.E.B			
			22	14 Cheruthoni Dam	K.S.E.B			
	Kattappana	Erattayar	23	15 Erattayar Dam	K.S.E.B		200	
	Thodupuzha	Muttom	24	16 Malankara Dam	MVIP	concrete	120	Irrigation
	Azhutha	Kumily	25	17 Mullaperiyar Dam	Kerala Forest Dept.	surky	660	Irrigation
					Total	9861		
ERM	Kothamangalam	Pindimana	26	2 Bhothathan Kettu	Irrigation Department	concrete	608	Irrigation& fish culture
						Total	608	
Thrissur	Chalakkudy	Athirappilly	27	1 Peringalkuthu dam	K.S.E.B		280	Electricity
	Chalakkudy	Athirappilly	28	2 Sholayar	K.S.E.B		870	Electricity
	Kodakara	Varantharappilly	29	3 Chimminidam	Irrigation Department		1000	irrigation
	Puzhakkal	Mulamkunnathukavu	30	4 Poomala	Irrigation Department		75	irrigation
	Ollukkara	Pananchery	31	5 Peechi	Irrigation Department		1200	irrigation
	Wadakkanchery	Thekkumkara	32	6 Pathazhakkunnu	Irrigation Department		14	irrigation
	Wadakkanchery	Thekkumkara	33	7 Vazhani	Irrigation Department		255	irrigation
	Wadakkanchery	Mullurkara	34	8 Asurankundu	Irrigation Department		12	irrigation
						Total	3706	
Palakkad	Malampuzha	Malampuzha	35	1 Malampuzha dam	Irrigation Department	Masonry	2313	Irrigation& fish culture
	Alathur	Vandazhy	36	2 Mangalam Dam	Irrigation Department	Earthen	393	irrigation

1	2	3	4	5	6	7	8	9
Palakkad (cont'd)	Kollamcode	Muthalamada	37	3 Meenkara dam	Irrigation Department	Masonry	259	Irrigation& fish culture
	Kollamcode	Muthalamada	38	4 Chulliyar Dam	Irrigation Department	Masonry	159	
	Nenmmara	Nenmmara	39	5 Pothundy dam		Earthern	363	
	Malampuzha	Puthusery	40	6 Walayar Dam		Masonry	289	
	Kollamcode	Muthalamada	41	7 parambikulam Dam	Forest Department	stone	2092	Water released to Tamilnadu
			42	8 Thunakkadavu Dam			283	
	Mannarkkad	Kanjirappuzha	43	9 Kanjirappuzha Dam	Irrigation Department	Cement	512	Irrigation& fish culture
	Nenmara	Melorkavu	44	10 Cheramangalam	PWD Irrigation ,wing	Masonry	200	irrigation
					Total	6863		
Kozhicode	Kunnumel	Kuttiyadi	45	1 Kakkayam	K.S.E.B	Concrete	1070	hydelproject
			46	2 Peruvannamuzhi	Irrigation	Concrete	1052	Irrigation
						Total	2122	
Wayanad	Bathery	Meenangadi, Ambalavayal, Mopainanad,Muttil	47	1 Karapuzha Reservoir	Irrigation Department	Earthern dam	1660	Irrigation,Fish Culture
	Kalpatta	Padinjaratara/ Thariod	48	2 Banasurasagar Reservoir	KSEB	Earthern dam	1277	Augmentation of Kuttyadi Project,Fish Culture
						Total	2937	
Kannur	Irriti	Payam/Keezhur/ Chavassery	49	1 Pazhashi Dam	Irrigation Dept	Concrete	648	Irrigation & Domestic Use
						Total	648	
					Grand Total		34180	

Table 6

STATE WISE INLAND WATER RESOURCE IN INDIA

Sl. No	State/UTs	Length of Rivers & Canals (Kms)	Area of Reservoirs (Lakh Hect.)	Area under Tanks & Ponds (Lakh Hect.)	Beels, Oxblow & Derelicts water (Lakh Hect.)	Brackish water (Lakh Hect.)
1	Andhra Pradesh	11514	2.24	5.17	0.00	0.79
2	Arunachal Pradesh	2000	0.00	2.76	0.42	0.00
3	Assam	4820	0.02	0.23	1.10	0.00
4	Bihar	3200	0.60	0.95	0.05	0.00
5	Goa	250	0.03	0.03	0.00	0.00
6	Gujarath	3865	3.48	0.22	0.12	3.76
7	Haryana	5000	0.00	0.10	0.10	0.00
8	Himachal Pradesh	3000	42.00	0.01	0.00	0.00
9	Jammu & Kashmir	27781	0.07	0.17	0.06	0.00
10	Karnataka	9000	2.11	2.90	0.00	0.08
11	Kerala	3092	0.43	0.28	2.43	0.65
12	Madhya Pradesh	20661	2.94	1.19	0.00	0.10
13	Maharashtra	16000	2.79	0.59	0.00	0.00
14	Manipur	3360	0.01	0.05	0.04	0.00
15	Meghalaya	5600	0.08	0.02	0.00	0.00
16	Mizoram	1395	0.00	0.02	0.00	0.00
17	Nagaland	1600	0.17	0.50	0.00	0.00
18	Orrissa	4500	2.56	1.14	1.80	4.17
19	Punjab	15270	0.00	0.07	0.00	0.00
20	Rajasthan	5290	0.00	1.80	0.00	0.00
21	Sikkim	900	1.20	0.00	0.03	0.00
22	Tamilnadu	7420	0.52	0.56	0.07	0.56
23	Thripura	1200	0.05	0.13	0.00	0.00
24	Uttar Pradesh	31200	1.50	1.62	1.33	0.00
25	West Bengal (P)	2526	0.17	2.76	0.42	2.10
26	Anaman & Nicobar	115	0.01	0.03	0.00	0.37
27	Chandigadh	2	0.00	0.00	0.00	0.00
28	Delhi	150	0.04	0.00	0.00	0.00
29	Lakshadweep	0	0.00	0.00	0.00	0.00
30	Pondichery	247	0.00	0.00	0.01	0.01
31	Dadra & Nagar Haveli	54	0.05	0.00	0.00	0.00
32	Daman & Diu	12	0.00	0.00	0.00	0.00
Total		191024	63.07	23.3	7.98	12.59

Table-7(A)

**DISTRICT WISE DISTRIBUTION OF FISHERMEN POPULATION (INLAND)
IN KERALA FOR 2010-11 & 2011-12 (ESTIMATED)**

Sl. No	Name of District	2010-2011				2011-2012			
		Male	female	Children	Total	Male	Female	Children	Total
1	Thiruvananthapuram	505	585	500	1590	439	509	434	1382
2	Kollam	15203	14312	9179	38694	13215	12440	7979	33634
3	Pathanamthitta	1049	911	424	2384	912	792	369	2073
4	Alappuzha	28175	27002	14526	69703	24491	23472	12627	60590
5	Kottayam	11057	10496	6540	28093	9611	9124	5685	24420
6	Idukki	301	304	190	795	261	264	166	691
7	Ernakulam	26756	26168	18899	71823	23258	22746	16428	62432
8	Thris sur	8938	8172	5153	22263	7769	7104	4479	19352
9	Palakkad	974	957	983	2914	847	832	855	2534
10	Malappuram	2037	1774	960	4771	1771	1542	834	4147
11	Kozhikkode	4705	4957	3854	13516	4090	4309	3350	11749
12	Wayanad	85	92	88	265	74	80	76	230
13	Kannur	2725	2882	1549	7156	2369	2505	1346	6220
14	Kasaragode	444	420	195	1059	386	366	170	922
Total		102954	99032	63040	265026	89493	86085	54798	230376

Table-7(B)

**DISTRICT WISE DISTRIBUTION OF FISHERMEN POPULATION (INLAND)
IN KERALA DURING 2012-13 (ESTIMATED)**

Sl. No	Name of District	2012-13			
		Male	Female	Children	Total
1	Thiruvananthapuram	441	511	437	1389
2	Kollam	13282	12503	8019	33804
3	Pathanamthitta	917	796	371	2084
4	Alappuzha	24614	23589	12690	60893
5	Kottayam	9659	9169	5714	24542
6	Idukki	263	265	167	695
7	Ernakulam	23374	22860	16510	62744
8	Thrissur	7808	7139	4501	19448
9	Palakkad	851	837	859	2547
10	Malappuram	1780	1550	838	4168
11	Kozhikkode	4110	4331	3367	11808
12	Wayanad	75	80	77	232
13	Kannur	2381	2518	1353	6252
14	Kasaragode	388	367	171	926
Total		89943	86515	55074	231532

Table-8(A)

**DISTRICT WISE BREAK UP OF ACTIVE FISHERMEN POPULATION (INLAND)
2010-2011 & 2011-12**

Sl. No	Name of District	2010-11			No. of family	2011-12			No. of family
		Population (No.)				Population (No.)			
		Male	Female	Total		Male	Female	Total	
1	Thiruvananthapuram	0	0	0	0		0		
2	Kollam	8174	1525	9699	6198	8171	1567	9738	6231
3	Pathanamthitta	292		292	162	268	12	280	275
4	Alappuzha	8857	3399	12256	7565	11939	3770	15709	11516
5	Kottayam	4394	2140	6534	1979	4258	2137	6395	3407
6	Idukki	153	12	165		158		158	128
7	Ernakulam	9719	1685	11404	19450	9950	1892	11842	9995
8	Thrissur	1050	289	1339	7599	990	100	1090	1066
9	Palakkad	479		479	463	467		467	454
10	Malappuram	1670	103	1773	1675	1762	100	1862	1560
11	Kozhikkode	1917	22	1939	1853	1942	18	1960	697
12	Wayanad	0	0	0	0	0	0	0	0
13	Kannur	1418	497	1915	1772	1471	503	1974	1831
14	Kasaragode	408	78	486	379	417	76	493	386
Total		38531	9750	48281	49095	41793	10175	51968	37546

Table 8-(B)

DISTRICT WISE BREAK UP OF ACTIVE FISHERMEN POPULATION (INLAND) 2012-2013

Sl. No	Name of District	Population (No.)			Total family
		Male	Female	Total	
1	Thiruvananthapuram	76	11	87	70
2	Kollam	6960	1407	8367	6749
3	Pathanamthitta	257	12	269	269
4	Alappuzha	3290	62	3352	2893
5	Kottayam	4323	2003	6326	3280
6	Idukki	188	3	191	164
7	Ernakulam	9067	1558	10625	9129
8	Thrissur	971	103	1074	1047
9	Palakkad	462	4	466	448
10	Malappuram	1726	96	1822	1480
11	Kozhikkode	1914	17	1931	669
12	Wayanad	0	0	0	0
13	Kannur	1480	492	1972	1877
14	Kasaragode	427	74	501	394
Total		31141	5842	36983	28469

Source: Kerala Fishermen welfare Fund Board

Table-9(A)
**PERCENTAGE OF ACTIVE FISHERMEN TO THE FISHERMEN POPULATION (INLAND)
 DURING 2010-11 & 2011-12**

Sl. No	Name of District	2010-11			2011-12		
		Total Number of Fishermen	Total Number of Active fishermen	Percentage of active fishermen	Total Number of Fishermen	Total Number of Active fishermen	Percentage of active fishermen
1	Thiruvananthapuram	1590	0	0	1382	0	0
2	Kollam	38694	9699	25.07	33634	9738	28.95
3	Pathanamthitta	2384	292	12.25	2073	280	13.51
4	Alapuzha	69703	12256	17.58	60590	15709	25.93
5	Kottayam	28093	6534	23.26	24420	6395	26.19
6	Idukki	795	165	20.75	691	158	22.87
7	Ernakulam	71823	11404	15.88	62432	11842	18.97
8	Thrissur	22263	1339	6.01	19352	1090	5.63
9	Palakkad	2914	479	16.44	2534	467	18.43
10	Malappuram	4771	1773	37.16	4147	1862	44.9
11	Kozhikkode	13516	1939	14.35	11749	1960	16.68
12	Wayanad	265	0	0	230	0	0
13	Kannur	7156	1915	26.76	6220	1974	31.74
14	Kasaragode	1059	486	45.89	922	493	53.47
Total		265026	48281	18.22	230376	51968	22.56

Table -9(B)
**PERCENTAGE OF ACTIVE FISHERMEN TO THE FISHERMEN POPULATION (INLAND)
 DURING 2012-13**

Sl. No	Name of District	2012-13		
		Total Number of Fishermen	Total Number of Active fishermen	Percentage of active fishermen
1	Thiruvananthapuram	1389	87	6.26
2	Kollam	33804	8367	24.75
3	Pathanamthitta	2084	269	12.91
4	Alapuzha	60893	3352	5.5
5	Kottayam	24542	6326	25.78
6	Idukki	695	191	27.48
7	Ernakulam	62744	10625	16.93
8	Thrissur	19448	1074	5.52
9	Palakkad	2547	466	18.3
10	Malappuram	4168	1822	43.71
11	Kozhikkode	11808	1931	16.35
12	Wayanad	232	0	0
13	Kannur	6252	1972	31.54
14	Kasaragode	926	501	54.1
Total		231532	36983	15.97

Table-10

**INLAND FISHERMEN POPULATION (estimated)
from 2010-11 to 2012-13**

Sl.No	District	No. of Villages	Population (estimated)		
			2010-11	2011-12	2012-13
1	Thiruvananthapuram	4	1590	1382	1389
2	Kollam	26	38694	33634	33804
3	Pathanamthitta	3	2384	2073	2084
4	Alappuzha	24	69703	60590	60893
5	Kottayam	8	28093	24420	24542
6	Idukki	1	795	691	695
7	Ernakulam	15	71823	62432	62744
8	Thrissur	8	22263	19352	19448
9	Palakkad	2	2914	2534	2547
10	Malappuram	6	4771	4147	4168
11	Kozhikode	8	13516	11749	11808
12	Wayanad	1	265	230	232
13	Kannur	5	7156	6220	6252
14	Kasaragode	2	1059	922	926
Total		113	265026	230376	231532

Table-11

LIST OF INLAND FISHING VILLAGES

SI No	Name of District	Name of Villages
(1)	(2)	(3)
I	Thiruvananthapuram (4 Villages)	1 Attupuram
		2 Hariharapuram
		3 Chirayinkeezh
		4 Vellayani
II	Kollam (26 Villages)	5 Prayar
		6 Sastamkottah
		7 Puthukkadu
		8 Mangadu
		9 Koyivila
		10 Kadavoor
		11 Aravila
		12 Neendakara
		13 Prakulam
		14 Perumon
		15 Mundakkal
		16 Sinkarapally
		17 Chavara South
		18 Chavara North
		19 Koduvila
		20 Kumbalam
		21 Muttom

		22 Chemmakkad
		23 Kanjirakkodu
		24 Manalikkadu
		25 Kuripzha East
		26 Mukkadu
		27 Kottiyam
		28 Padappakkara
		29 Ayiramthengu
		30 Arinelloor
III	Pathanamthitta (3 Villages)	31 Paramala
		32 Thiruvalla
		33 Maramon
V	Alappuzha (24 Villages)	34 Kayamkulam
		35 Kochiyard Jetty
		36 Chodatheruvu
		37 Payippadu
		38 Karuvatta
		39 Chenkole
		40 Muhamma
		41 Thirunellur
		42 Panavally
		43 Arukutty
		44 Perumpalam
		45 Aroor
		46 Thuravoor (North)
		47 Thuravoor (South)
		48 Vayalar (East)
		49 Mannar Sangham
		50 Thalavady
		51 Noornadu
		52 Eraviperoor
		53 Marakkattu Ward
		54 Ramamkary
		55 Kavalam
		56 Thevarvattom
		57 Thanneermukkom
IV	Kottiyam (8 Villages)	58 Changanassery
		59 Kumarakom
		60 Thiruvarpu
		61 Vaikom (Town)
		62 Thalayazhom
		63 Chempu
		64 Kaduthuruthy
		65 Kottayam
VI	Idukki (1 Village)	66 Idukki
		67 Kadamakudi
		68 Ezhikkara
		69 Mulavukadu

VII	Ernakulam (15 Villages)	70	Cheranelloor
		71	Maradu
		72	Kumpalam
		73	Udayamperoor
		74	Ernakulam (West)
		75	Poonithura
		76	Nedamagramam
		77	Ernakulam (East)
		78	Kumpalangi
		79	Palluruthy
		80	Vadakkekara
VIII	Thrissur (8 Villages)	81	Puthenvelikkara
		82	Anappuzha
		83	Pullute
		84	Poyya
		85	Puthenchira
		86	Nedupuzha
		87	Venkidangu
		88	Karalam
IX	Palakkad (2 Villages)	89	Velloor
		90	Muthalamada
X	Malappuram (6 Villages)	91	Palakkadu
		92	Kadavonadu (Ponnani)
		93	Gomughom
		94	Purathoor
		95	Kutturapuzha (Poorapuzha)
		96	Palathungal
XI	Kozhikode (8 Villages)	97	Kadalundipuzha
		98	Karuvanthuruthy
		99	Cheruvannoor
		100	Eranjikal
		101	Vengalam
		102	Vellur
		103	Teragi
		104	Ullookadavu
XII	Wayanad	105	Akalappuzha
		106	Vythiri
XIII	Kannur (5 Villages)	107	Kurinjimangalam
		108	Ezham
		109	Kattampally
		110	Mandalloor
		111	Eranholi
XIV	Kasaragode (2 Villages)	112	Peelikode
		113	Thrikkaripur

Table-12
FISHERIES FARMS & HATCHERIES IN THE PUBLIC SECTOR

Sl.no	Name of Hatcheries/Farms	Name of District
I. Hatcheries		
a) Fisheries Department		
1	Neyyar Dam ,National Fish Seed Farm	Thiruvananthapuram
2	FFDA Hatchery, Neendakara	Kollam
3	Fisheries Complex, Pannivelichira	Pathanamthitta
4	National Fish Seed Farm, Polachira	Pathanamthitta
5	Government Model Fish Farm,Pallam	Kottayam
6	Regional Shrimp Hatchery, Azheekode	Thrissur
7	National Fish Seed Farm, Malampuzha	Palakkad
b) Hatchery of ADAK		
8	ADAK Hatchery, Odayam, Varkala	Thiruvananthapuram
c) Hatchery of FIRMA		
9	FIRMA Hatchery	Wayanad
d) Hatchery of Matsyafed		
10	Fresh water Prawn Hatchery, Kaipamangalam	Thrissur
11	Prawn Hatchery, Veliyamcode	Malappuram
12	Prawn Hatchery, Kannur	Kannur
13	Prawn Hatchery, Thirumullavaram	Kollam
d) Hatchery of Fisheries University		
14	Prawn Hatchery at Fisheries College, Panangad	Eranakulam
II Farms		
II a) Farms of the Department		
1	Ullanam fish seed farm, Parappanangadi (Handed over to FIRMA as satellite farm of Kavvil)	Malappuram
2	Kadappuram Fish Farm	Thrissur
3	Peechi Dam (Rearing farm)	Thrissur
4	Chulliyar Dam (Rearing farm)	Palakkad
5	Walayar Dam (Rearing farm)	Palakkad
6	Mangalam Dam (Rearing farm)	Palakkad
7	Pothundi Dam (Rearing farm)	Palakkad
8	Meenkara Dam (Rearing farm)	Palakkad
9	Society Farm	Kollam
10	Eastuarine Research Centre	Kollam
11	Pulikeezh Fish Farm (<i>not functioning</i>)	Pathanamthitta
12	Society farm, Kidangalloor (<i>not functioning</i>)	Pathanamthitta

13	Edathua farm	Alappuzha
14	Eda kochi Fish Farm	Ernakulam
15	Pookode Fish Farm	Wayanad
16	Andalloor Brackish Water Farm, Thalassery (<i>not functioning</i>)	Kannur
17	Palayad Brackish Water Farm, Thalassery (<i>not functioning</i>)	Kannur
b) Farms of ADAK		
18	Model Shrimp farm and Training centre, Poyya	Thrissur
19	Fish Farm, Eranholi	Kannur
20	Njarakkal farm	Ernakulam
21	Ayiramthengu Government Fish farm	Kollam
c) Farms of Matsyafed		
22	Palikari fish farm	Kottayam
23	Brackish water fish farm, Malippuram	Ernakulam
24	Brackish water fish farm, Njarakkal	Ernakulam

**Table-13
PUBLIC & PRIVATE SECTOR HATCHERIES IN KERALA**

Sl. No.	District	Name of farm/hatchery			
			PUBLIC SECTOR	PRIVATE SECTOR	
1	Trivandrum	1	FFDA Hatchery, Neyyardam	Nil	
		2	ADAK Hatchery, Odayam		
2	Kollam	1	BFFDA Hatchery, Neendakara	1	St. John Bosco Hatchery, Thirumullavaram
		2	Matsyafed hatchery, Thirumullavaram		
3	Pathanamthitta	1	Fisheries Complex, Pannivelichira		
		2	NFSF, Polachira		
4	Alappuzha		Nil	1	Natures Way Cherthala
				2	Pamba hatchery, Alappuzha
				3	Pulimughom Hatchery, Thakazhy
				4	Rearing Farm. Nooranadu
				5	Bastins Hatchery, Pallithidu
				6	West- Cost Hatchery, Alappuzha
				7	Travancore Hatchery, Thottappally
				8	Maveli Hatchery, Pathiyamkara
5	Kottayam	1	Pallom Fish Farm		Nil
6	Idukki		Nil	Nil	

7	Ernakulam	1	Fisheries College Panangad	1	Aqua Plaza Cherai
				2	Abad Enterprises, Kannamali
				3	Kalipparambil Tiger Shrimp Hatchery Chellanam
				4	Kochin Aqua Hatchery Nayarambalam
				5	Prakrithy Aquatics P.Ltd, Aluva
				6	Kambivelikkakom Hatchery, Thiruvankulam
8	Thrissur	1	Prawn Hatchery, Kaipamangalam (Matsyafed)	1	Crescent Hatchery, Meathala
				2	Water Fry hatchery, West Vamballoor
				3	Sea view Hatchery, Thalikulam
		2	Regional Shrimp Hatchery , Azhikode	4	Pattani Fisheries, Marathakara
				5	Rosan Fisheries, Marathakara
				6	Rency Hatchery, Mathilakam
				7	Queens Fisheries Vemalloor
				8	Peari Aqua Hatchery,Vemalloor
				9	Divya Prabha, Kara
				10	Vyasa Hatchery, Kaipamangalam
9	Palakkad	1	NFSF Malampuzha	1	Aqua Farm, Thenari
				2	Chambath Fisheries, Polpully
				3	MEFCO Farms(Society)
				4	Santhosh Fisheries, Kollancode
				5	King Fisheries, Kollancode
10	Malappuram	1	Ullanam Fish Farm (FFDA)		Nil
		2	Veliyamcode(Matsyafed)		
11	Kozhikode		Nil	1	Kallanode Fish seed Farm, Peruvannamoozhy
12	Wayanad	1	FIRMA Hatchery, Pookode		Nil
13	Kannur	1	Matsyafed Hatchery, Moplabay	1	Pazhassiraja Hatchery , Eritty
14	Kasargode		Nil		Nil

Table -14

DETAILS OF INLAND FISH LANDING CENTERS

SI No	District	Taluk	Panchayath	Landing centre
Major Landing Centres				
1	Kollam	Kollam	Perayam	1 Onambalam
2			Thrikkadavur	2 Kureepuzha
3			Thrikkaruva	3 Manalikkada
4			Thrikkaruva	4 Sambranikodi
5			Thrikkaruva	5 Vadakkekara
6		Karunagappally	Thevalakkara	6 Kottapuram Kadavu
7	Ernakulam	Kochi	Elamkunnappuzha	1 Kalamukku
8			Elamkunnappuzha	2 Murikkumpadam
9			Kochi corporation	3 Thoppumpady
10			Kochi corporation	4 Fort Kochi market
11			Njarakal	5 Manjanakkad Jetty
12			Pallipuram	6 Munambam Mini harbour
13		Kanayannur	Kochi corporation	7 Chambakkara
14			Tripunithura	8 South paravur angadi stop
Minor Landing Centres				
1	Kollam	Kollam	Thrikkaruva	1 Ashtamudi
2		Karunagappally	Panmana	2 Kannittakadavu
3			Panmana	3 Kattilkadavu
4			Thevalakkara	4 Cherikadavu
5	Alappuzha	Ambalappuzha	Alappuzha	1 Punnamadajettykadavu
6		Chengannur	pandanad	2 Pandanad
7			Mannar	3 Pavukkara
8			Budhannur	4 Ennakkattu
9			Karthikappally	Devikulangara	5 Muttathumannel Kadavu
10		Arattupuzha		6 Vettathukadavu
11		Arattupuzha		7 Kanakakkunnu
12		Veeyapuram		8 Paippad
13		Veeyapuram		9 Veeyapuram
14		Cheruthana		10 Karichal
15		Mavelikkara	Chennithala-thripperuthra	11 Prayikkara
16		Mavelikkara	Chennithala-thripperuthra	12 Erakkadavu
17			Chennithala-thripperuthra	13 Munduvelikkadavu

18	Alappuzha (cont'd)	Sherthala	Thanneermukkam	14	Thanneermukkam Kadavu
19			Thanneermukkam	15	Kasnnankkarajetty kadavu
20			Thanneermukkam	16	Puthanangadi Kadavu
21			Muhamma	17	Depokadavu
22			Muhamma	18	S N Kavalayku kezhzku
23			Muhamma	19	Muhamma panchayathu kadavu
24			Muhamma	20	Kovilakom Resort kadavu
25			Muhamma	21	Perumthuruthukadavu
26			Muhamma	22	Ambaladakadavu
27			Muhamma	23	Kalluchirakadavu
28			Muhamma	24	Madayanthodukadavu
29			Muhamma	25	Shanmughanjettykadavu
30			Muhamma	26	Purity resort kadavu
31			Panavally	27	Panavally
32			Perumbalam	28	Perumbalam
33			Pallipuram	29	Makkekadavu
34			Pallipuram	30	Thavanakkadavu
35			Aroor	31	Arukkutty
36	Pathanamthitta	Thiruvalla	Kadapra	1	Kadapra
37	Kottayam	Vaikom	Chempu	1	Murinjapuzha
38		Vaikom	Udayanapuram	2	Nerekadavu
39		Vaikom	Vaikom Municipality	3	Kolothum Kadavu
40	Idukki			1	Mullakkanam
41	Eranakulam	Kochi	Nayarambalam	1	Nedungad palam
42			Kochi corporation	2	Edakochi
43			Kochi corporation	3	Palluruthy
44			Kochi corporation	4	Thoppumpady fishing harbour
45			Kochi corporation	5	Perumpadappu
46			Kochi corporation	6	Mattanchery
47			Nayarambalam	7	Nayarambalam
48			Njarakal	8	Njarakkal
49			Edavanakkad	9	Edavanakkad
50			Pallipuram	10	Cheray Karuthala
51			Pallipuram	11	Kambanikkadavu
52			Pallipuram	12	Raktheswary beach road
53		paravur	Vadakethara	13	Kunjittai
54			Ezhikkara	14	Kandekkavu
55			Ezhikkara	15	Chathanad
56			Varappuzha	16	Devaswam padam

57	Eranakulam (cot'd)	Kanayannur	Tripunithura	17	Thevara	
58			Cheranelloore	18	Chittur fery	
59			Udayam perur	19	Udayam perur	
60			Kochi corporation	20	Manassery	
61			Kochi corporation	21	Pachalam	
62	Thrissur	Kodungallur	Kodungalur Municipality	1	Anapuzha	
63			Mala	2	Mala	
64			Poyya	3	Poyya	
65		Chavakkad	Venkidangu	4	Kodamukku	
66		Thrissur	Thrissur	Thrissur corporation	5	Nedupuzha
67				Pananchery	6	Peechi dam site
68		Thalappily	Thekkumkara	7	Vazhani dam site	
69	MLPM	Ponnani	Edakkad	1	Ayilakkad	
70	Kozhikode	Koyilandi	Payyoli	1	Murad	
71			Chemanchery	2	Korappuzha	
72			Ulyyery	3	Kanayamcode Bridge	
73				4	Kuniyilkadavu palam	
74		Kozhikode	Kozhikode	Faroque	5	Odassery
75				Perumanna	6	Manakkadavu
76				Faroque	7	Petta(Faroqu)
77				Chelannur	8	Mukkathu thazham
78				Thalakkulathur	9	Pulikkal Kadavu
79	Kannur	Kannur	Madai	1	Chempallikundu	
80		Thalassery	Pinarai	2	Pinarai(Kadiyil)	
81		Thaliparamba	Payyannur	3	Kawayi	
82		Thaliparamba	Ramanthali	4	Kovvapuram	
83		Thaliparamba	Pattuvam	5	Pattuvam	
84	KSRD	Hosdurg	Padne	1	Padne	

Table -15

**SPECIES WISE INLAND FISH LANDINGS IN KERALA 2010-11 to 2012-13
(Qty. in Tonnes)**

Sl. No.	Name of Fish	2010-11	2011-12	2012-13
1	Prawn	22607	21270	23812
2	Etroplus	4941	5526	6290
3	Murrels	4623	4716	5174
4	Mullets	4906	5007	5540
5	Cat fish	5301	5409	6059
6	Jew fish	3046	3109	3397
7	Tilapia	8584	9200	10459
8	Labeo – fimbriatus	2313	2360	2643
9	Barbus	573	585	656
10	Mrigal	6017	8831	9317
11	Crabs	1006	1086	1323
12	Common carps	8508	9420	8818
13	Catla	10245	16558	17861
14	Chanos	488	498	558
15	Eels	70	71	79
16	Labeo - Rohitha	9316	15883	16998
17	Mussel	23172	23269	21231
18	Edible Oyster	1540	1545	1750
19	Miscellaneous	3959	5688	7133
TOTAL		121215	140031	149098

Table-16
**SPECIES WISE COMPOSITION OF INLAND FISH LANDINGS IN KERALA
 (2009-10 to 2012-13)**

Sl.No	Species	Inland fish landings in MT							
		2009-10	%	2010-11	%	2011-12	%	2012-13	%
1	Prawn	20031	17.14	22607	18.65	21270	15.19	23812	15.97
2	Etroplus	4858	4.16	4941	4.08	5526	3.95	6290	4.22
3	Murrels	4544	3.89	4623	3.81	4716	3.37	5174	3.47
4	Mullets	4821	4.13	4906	4.05	5007	3.58	5540	3.72
5	Cat fish	5211	4.46	5301	4.37	5409	3.86	6059	4.06
6	Jew fish	2994	2.56	3046	2.51	3109	2.22	3397	2.28
7	Tilapia	8440	7.22	8584	7.08	9200	6.57	10459	7.01
8	Labeo fimbriatus	2273	1.95	2313	1.91	2360	1.68	2643	1.77
9	Barbus	563	0.48	573	0.47	585	0.42	656	0.45
10	Mrigal	6479	5.55	6017	4.96	8831	6.31	9317	6.25
11	Crabs	988	0.85	1006	0.83	1086	0.78	1323	0.89
12	Common carps	8633	7.39	8508	7.02	9420	6.73	8818	5.91
13	Catla	10229	8.76	10245	8.45	16558	11.82	17861	11.98
14	Chamos	480	0.41	488	0.4	498	0.36	558	0.37
15	Eels	69	0.06	70	0.06	71	0.05	79	0.05
16	Labeo Rohitha	8486	7.26	9316	7.69	15883	11.34	16998	11.4
18	Mussel	22395	19.17	23172	19.12	23269	16.62	21231	14.24
19	Edible Oyster	1500	1.28	1540	1.27	1545	1.1	1750	1.17
20	Miscellaneous	3842	3.28	3959	3.27	5688	4.05	7133	4.79
	Total	116836	100	121215	100	140031	100	149098	100

Table-17
**SPECIES WISE QUARTER WISE INLAND FISH PRODUCTION IN KERALA
 DURING 2010 & 2011**

Sl. No	Name of Species	2010					2011				
		Qtr I	Qtr II	Qtr III	Qtr IV	Total	Qtr I	Qtr II	Qtr III	Qtr IV	Total
1	Prawn	4040	8710	4883	3673	21306	5341	7828	4975	3685	21829
2	Etroplus	1398	1178	949	1417	4942	1397	1240	1217	1422	5276
3	Murrels	1305	1078	923	1315	4621	1307	1144	940	1319	4710
4	Mulletts	1341	1161	993	1409	4904	1343	1232	1011	1414	5000
5	Cat fish	1486	1243	1064	1506	5299	1488	1319	1084	1511	5402
6	Jew fish	866	727	574	878	3045	867	772	585	881	3105
7	Tilapia	2540	2002	1597	2442	8581	2543	2125	1627	2450	8745
8	Labeo-fimbriatus	647	544	466	655	2312	648	577	475	657	2357
9	Barbus	160	135	115	163	573	160	143	117	164	584
10	Mrigal	2732	1439	1096	1502	6769	1980	2856	1118	1507	7461
11	Crabs	332	197	247	230	1006	332	206	257	231	1026
12	Common crabs	3451	2582	1477	2103	9613	2346	3447	1505	2110	9408
13	Catla	4715	3369	1570	2240	11894	3066	5551	1601	2247	12465
14	Chanos	138	107	105	138	488	138	114	107	138	497
15	Eels	21	18	14	17	70	21	19	14	17	71
16	Labeo-Rohitha	3234	2535	1495	2136	9400	3150	5540	1527	2143	12360
17	Mussel	0	3067	0	20105	23172	0	0	3100	20169	23269
18	Edible Oyster	0	0	0	1540	1540	0	0	0	1545	1545
19	Miscellaneous	1076	997	855	986	3914	1121	1531	871	989	4512
TOTAL		29482	31089	18423	44455	123449	27248	35644	22131	44599	129622

Table-18

**SPECIES WISE QUARTER WISE INLAND FISH PRODUCTION IN KERALA
DURING 2012 & 2013**

Sl No	Name of Species	2012					2013				
		Qtr I	Qtr II	Qtr III	Qtr IV	Total	Qtr I	Qtr II	Qtr III	Qtr IV	Total
1	Prawn	4782	8819	5060	3696	22357	6237	7479	5212	3759	22687
2	Etroplus	1647	1314	1005	1438	5404	2533	1473	1023	1473	6502
3	Murrels	1313	1213	935	1323	4784	1703	1286	952	1346	5287
4	Mulletts	1350	1306	972	1418	5046	1844	1385	989	1442	5660
5	Cat fish	1495	1398	1103	1516	5512	2042	1482	1123	1542	6189
6	Jew fish	871	818	595	884	3168	1100	867	606	889	3462
7	Tilapia	2998	2252	1655	2458	9363	4094	2388	1684	2490	10656
8	Labeo-fimbriatus	651	612	483	659	2405	889	649	492	670	2700
9	Barbus	161	152	119	165	597	220	161	121	168	670
10	Mrigal	3350	2355	1136	1512	8353	4314	3465	1426	1538	10743
11	Crabs	392	218	315	255	1180	535	306	608	259	1708
12	Common crabs	2358	1941	1530	2127	7956	3220	2058	1557	2163	8998
13	Catla	7159	4251	1626	2254	15290	9730	7035	2213	2303	21281
14	Chanos	139	121	109	138	507	190	128	111	140	569
15	Eels	21	19	14	17	71	29	20	14	17	80
16	Labeo-Rohitha	6673	4296	1550	2150	14669	9002	6857	1577	2187	19623
17	Mussel	0	0	0	21231	21231	0	1384	337	21594	23315
18	Edible Oyster	0	0	0	1750	1750	0	0	0	1780	1780
19	Miscellaneous	2297	2118	886	992	6293	3137	5611	902	1009	10659
TOTAL		37657	33203	19093	45983	135936	50819	44034	20947	46769	162569

Table -19

**YEAR WISE SPECIES WISE INLAND FISH LANDINGS IN KERALA
2010 to 2013 (Qty. In Tonnes)**

Sl. No.	Name of Fish	2010	2011	2012	2013
1	Prawn	21306	21829	22357	22687
2	Etroplus	4942	5276	5404	6502
3	Murrels	4621	4710	4784	5287
4	Mulletts	4904	5000	5046	5660
5	Cat fish	5299	5402	5512	6189
6	Jew fish	3045	3105	3168	3462
7	Tilapia	8581	8745	9363	10656
8	Labeo – fimbriatus	2312	2357	2405	2700
9	Barbus	573	584	597	670
10	Mrigal	6769	7461	8353	10743
11	Crabs	1006	1026	1180	1708
12	Common carps	9613	9408	7956	8998
13	Catla	11894	12465	15290	21281
14	Chanos	488	497	507	569
15	Eels	70	71	71	80
16	Labeo – Rohitha	9400	12360	14669	19623
17	Mussel	23172	23269	21231	23315
18	Edible Oyster	1540	1545	1750	1780
19	Miscellaneous	3914	4512	6293	10659
TOTAL		123449	129622	135936	162569

Table-20
STATUS OF SHRIMP/PRAWN PRODUCTION IN KERALA

Year	Production in MT		
	Shrimp	Fish (Including <i>Macrobrachium rosenbergii</i>)	Total
1990	54223	697606	751829
1991	70437	603232	673669
1992	61863	602322	664185
1993	59107	618557	677664
1994	83800	614236	698036
1995	56151	580672	636823
1996	59556	625493	685049
1997	69699	630810	700509
1998	71654	606132	677786
1999	60736	639756	700492
2000	82715	665256	747971
2001	69351	573833	643184
2002	73515	590048	663563
2003	72872	622735	695607
2004	72711	603320	676031
2005	66133	568422	634555
2006	69600	615701	685301
2007	67201	596623	663824
2008	68016	598200	666216
2009	67573	613726	681299
2010	70677	613594	684271
2011	70452	612770	683222

Table-21

**INLAND FISH PRODUCTION AND VALUE IN KERALA
from 1985-1986 to 2012-2013**

Year	Quantity (In M.T)	Value (Rs. In Lakhs)
1985-1986	28578	1779.13
1986-1987	28194	2177.09
1987-1988	26932	2423.74
1988-1989	28475	3692.89
1989-1990	33312	4880.91
1990-1991	36342	5828.68
1991-1992	40365	7584.91
1992-1993	42390	9138.78
1993-1994	45482	9719.71
1994-1995	48192	13094.33
1995-1996	49586	14346.83
1996-1997	52105	15274.06
1997-1998	58215	17018.97
1998-1999	65855	24710.99
1999-2000	74130	30755.32
2000-2001	85234	29995.20
2001-2002	78039	28867.00
2002-2003	75036	30014.00
2003-2004	76279	31890.16
2004-2005	76451	59851.46
2005-2006	77980	60415.54
2006-2007	79647	67658.18
2007-2008	91085	71813.13
2008-2009	102842	75778.87
2009-2010	116836	88290.28
2010-2011	121215	102123.86
2011-2012	140031	122390.42
2012-2013	149098	149881.17

Table - 22
BRACKISH WATER FISH PRODUCTION FROM 2007-08 to 2012-13 in MT

SI No	Name of Fish	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1	Etroplus	4721	4870	4858	4941	5526	6290
2	Murrels	4370	4509	4544	4623	4716	5174
3	Mulletts	4691	4840	4821	4906	5007	5540
4	Cat fish	5022	5182	5211	5301	5409	6059
5	Jew Fish	2931	3024	2994	3046	3109	3397
6	Crabs	772	797	988	1006	1086	1323
7	Chanos	462	477	480	488	498	558
8	Shrimp	2468	2554	2664	4840	2335	4296
9	Mussel	7894	16789	22395	23172	23269	21231
10	Edible Oyster	2150	2400	1500	1540	1545	1750
11	Miscellaneous	199	206	192	198	284	356
	Total	35680	45648	50647	54061	52784	55974

Table-23
LANDING VALUE OF INLAND FISHES 2009-10 to 2012-13 (Rs. in lakhs)

Sl. No.	Name of Fish	2010-11	2011-12	2012-13
1	Prawn	53371.50	55302.00	65483.00
2	Etroplus	6522.12	8289.00	14152.50
3	Murrels	2588.88	2829.60	3104.40
4	Mulletts	4807.88	5107.14	5650.80
5	Cat fish	2703.51	2974.95	3514.22
6	Jew fish	1218.40	1305.78	1698.50
7	Tilapia	4292.00	5520.00	6275.40
8	Labeo - fimbriatus	925.20	1062.00	1189.35
9	Barbus	160.44	187.20	229.60
10	Mrigal	2707.65	4415.50	6521.90
11	Crabs	3068.30	3801.00	4630.50
12	Common carps	3828.60	4710.00	4409.00
13	Catla	5122.50	9934.80	12502.70
15	Chanos	292.80	373.50	418.50
16	Eels	35.00	35.50	39.50
17	Labeo - Rohitha	4192.20	8735.65	11898.60
19	Mussel	4170.96	4653.80	4246.20
20	Edible Oyster	215.60	309.00	350.00
21	Miscellaneous	1900.32	2844.00	3566.50
	Total	102123.86	122390.42	149881.17

Table -24

AVERAGE LANDING PRICES OF INLAND FISHES FROM 2010-11 to 2012-13

(Prices Rs./Kg)

SI No	Name of Fish	2010-11	2011-12	2012-13
1	Prawn	236.08	260.00	275.00
2	Etroplus	132.00	150.00	225.00
3	Murrels	56.00	60.00	60.00
4	Mullets	98.00	102.00	102.00
5	Cat fish	51.00	55.00	58.00
6	Jew fish	40.00	42.00	50.00
7	Tilapia	50.00	60.00	60.00
8	Labeo – fimbriatus	40.00	45.00	45.00
9	Barbus	28.00	32.00	35.00
10	Mrigal	45.00	50.00	70.00
11	Crabs	305.00	350.00	350.00
12	Common carps	45.00	50.00	50.00
13	Catla	50.00	60.00	70.00
14	Chanos	60.00	75.00	75.00
15	Eels	50.00	50.00	50.00
16	Labeo - Rohitha	45.22	55.00	70.00
17	Mussel	18.00	20.00	20.00
18	Edible Oyster	14.00	20.00	20.00
19	Miscellaneous	48.00	50.00	50.00

Table-25(a)
DISTRICT-WISE, SPECIES-WISE INLAND FISH LANDINGS IN KERALA FOR THE YEAR 2010-11 (QTY IN MT)

Sl. No	Name of fish	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	TOTAL
1	Prawn	44	897	206	3415	480	0	14875	2013	0	113	196	249	110	9	22607
2	Etroplus	44	574	107	1967	355	0	1508	165	0	21	112	0	88	0	4941
3	Murrels	119	530	41	800	445	77	1271	476	158	59	289	9	349	0	4623
4	Mullets	73	756	95	1052	432	38	1376	448	88	66	240	0	239	3	4906
5	Cat fish	83	796	94	1081	459	53	1440	475	49	24	358	8	372	9	5301
6	Jew fish	42	372	83	810	206	0	1093	114	0	45	139	0	138	4	3046
7	Tilapia	173	1372	167	1892	484	55	3002	359	338	120	302	42	261	17	8584
8	Labeo fimbriatus	0	0	203	262	329	0	0	0	1519	0	0	0	0	0	2313
9	Barbus	18	78	4	48	66	27	76	57	74	25	41	0	59	0	573
10	Mrigal	0	785	69	957	0	0	265	1429	1494	1006	0	12	0	0	6017
11	Crabs	11	123	19	276	2	429	16	0	4	69	0	53	4	0	1006
12	Common carps	537	1211	29	721	339	0	635	1727	2729	71	419	88	2	0	8508
13	Catla	604	1586	69	796	202	0	1524	2896	2472	0	0	96	0	0	10245
14	Chamos	9	74	8	119	26	4	198	8	5	3	26	0	8	0	488
15	Eels	1	8	1	15	2	0	31	3	4	0	3	0	2	0	70
16	Labeo Rohitha	167	2035	31	977	1075	0	244	2469	2179	67	0	72	0	0	9316
17	Mussel	0	657	0	18	0	0	247	16	0	388	774	0	62	21010	23172
18	Edible Oyster	0	197	0	55	0	0	112	0	0	0	409	0	301	466	1540
19	Miscellaneous	49	303	80	727	237	69	1698	275	81	22	191	0	184	43	3959
TOTAL		1974	12354	1306	15988	5139	752	29611	12930	11194	2099	3499	629	2179	21561	121215

Table-25 (b)

DISTRICT WISE SPECIES WISE VALUES OF INLAND FISHES IN KERALA FOR THE YEAR 2010-11(Rs in 000's)

Sl. No	Name of fish	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	TOTAL
1	Prawn	10870	213980	51500	782315	117985	0	3544095	475365	0	24025	41785	46065	27500	1665	5337150
2	Etroplus	5808	75768	14124	259644	46860	0	199056	21780	0	2772	14784	0	11616	0	652212
3	Murrels	6664	29680	2296	44800	24920	4312	71176	26656	8848	3304	16184	504	19544	0	258888
4	Mulletts	7154	74088	9310	103096	42336	3724	134848	43904	8624	6468	23520	0	23422	294	480788
5	Cat fish	4233	40596	4794	55131	23409	2703	73440	24225	2499	1224	18258	408	18972	459	270351
6	Jew fish	1680	14880	3320	32400	8240	0	43720	4560	0	1800	5560	0	5520	160	121840
7	Tilapia	8650	68600	8350	94600	24200	2750	150100	17950	16900	6000	15100	2100	13050	850	429200
8	Labeo fimbriatus	0	0	8120	10480	13160	0	0	0	60760	0	0	0	0	0	92520
9	Barbus	504	2184	112	1344	1848	756	2128	1596	2072	700	1148	0	1652	0	16044
10	Mrigal	0	35325	3105	43065	0	0	11925	64305	67230	45270	0	540	0	0	270765
11	Crabs	3355	37515	5795	84180	610	130845	4880	0	1220	21045	0	16165	1220	0	306830
12	Common carps	24165	54495	1305	32445	15255	0	28575	77715	122805	3195	18855	3960	90	0	382860
13	Catla	30200	79300	3450	39800	10100	0	76200	144800	123600	0	0	4800	0	0	512250
14	Chamos	540	4440	480	7140	1560	240	11880	480	300	180	1560	0	480	0	29280
15	Eels	50	400	50	750	100	0	1550	150	200	0	150	0	100	0	3500
16	Labeo Rohitha	7515	91575	1395	43965	48375	0	10980	111105	98055	3015	0	3240	0	0	419220
17	Mussel	0	11826	0	324	0	0	4446	288	0	6984	13932	0	1116	378180	417096
18	Edible Oyster	0	2758	0	770	0	0	1568	0	0	0	5726	0	4214	6524	21560
19	Miscellaneous	2352	14544	3840	34896	11376	3312	81504	13200	3888	1056	9168	0	8832	2064	190032
TOTAL		113740	851954	121346	1671145	390334	148642	4452071	1028079	517001	127038	185730	77782	137328	390196	10212386

Table 26(a)
DISTRICT WISE SPECIES WISE INLAND FISH LANDINGS IN KERALA FOR THE YEAR 2011-12 (QTY IN MT)

Sl. No	Name of fish	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	TOTAL
1	Prawn	41	844	194	3213	452	0	13995	1894	2	106	184	234	103	8	21270
2	Etroplus	49	642	120	2200	397	0	1687	185	0	23	125	0	98	0	5526
3	Murrels	121	541	42	816	454	79	1297	486	161	60	294	9	356	0	4716
4	Mulletts	75	772	97	1074	441	39	1404	457	90	66	245	0	244	3	5007
5	Cat fish	85	812	96	1103	468	54	1469	485	50	24	366	8	380	9	5409
6	Jew fish	43	380	85	827	210	0	1116	116	0	46	141	0	141	4	3109
7	Tilapia	185	1470	179	2028	519	59	3217	385	362	129	324	45	280	18	9200
8	Labeo fimbriatus	0	0	207	267	336	0	0	0	1550	0	0	0	0	0	2360
9	Barbus	18	80	4	49	67	28	78	58	76	26	41	0	60	0	585
10	Mrigal	0	1152	101	1405	0	0	389	2097	2193	1476	0	18	0	0	8831
11	Crabs	12	133	21	298	2	463	17	0	4	74	0	58	4	0	1086
12	Common carps	595	1341	32	798	375	0	703	1912	3022	79	464	97	2	0	9420
13	Catla	976	2563	112	1286	326	0	2463	4681	3995	0	0	156	0	0	16558
14	Chamos	9	76	8	121	27	4	202	8	5	3	27	0	8	0	498
15	Eels	1	8	1	15	2	0	31	3	4	0	4	0	2	0	71
16	Labeo Rohitha	285	3470	53	1666	1833	0	416	4209	3715	113	0	123	0	0	15883
17	Mussel	0	660	0	18	0	0	248	16	0	390	777	0	62	21098	23269
18	Edible Oyster	0	198	0	55	0	0	112	0	0	0	410	0	302	468	1545
19	Miscellaneous	70	435	115	1045	341	99	2440	395	116	32	274	0	264	62	5688
TOTAL		2565	15577	1467	18284	6250	825	31284	17387	15345	2647	3676	748	2306	21670	140031

Table 26(b)
DISTRICT WISE SPECIES WISE VALUES OF INLAND FISHES IN KERALA FOR THE YEAR 2011-12 (Rs in 000's)

Sl. No	Name of fish	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	TOTAL
1	Prawn	10660	219440	50440	835380	117520	0	3638700	492440	520	27560	47840	60840	26780	2080	5530200
2	Etroplus	7350	96300	18000	330000	59550	0	253050	27750	0	3450	18750	0	14700	0	828900
3	Murrels	7260	32460	2520	48960	27240	4740	77820	29160	9660	3600	17640	540	21360	0	282960
4	Mulletts	7650	78744	9894	109548	44982	3978	143208	46614	9180	6732	24990	0	24888	306	510714
5	Cat fish	4675	44660	5280	60665	25740	2970	80795	26675	2750	1320	20130	440	20900	495	297495
6	Jew fish	1806	15960	3570	34734	8820	0	46872	4872	0	1932	5922	0	5922	168	130578
7	Tilapia	11100	88200	10740	121680	31140	3540	193020	23100	21720	7740	19440	2700	16800	1080	552000
8	Labeo fimbriatus	0	0	9315	12015	15120	0	0	0	69750	0	0	0	0	0	106200
9	Barbus	576	2560	128	1568	2144	896	2496	1856	2432	832	1312	0	1920	0	18720
10	Mrigal	0	57600	5050	70250	0	0	19450	104850	109650	73800	0	900	0	0	441550
11	Crabs	4200	46550	7350	104300	700	162050	5950	0	1400	25900	0	20300	1400	0	380100
12	Common carps	29750	67050	1600	39900	18750	0	35150	95600	151100	3950	23200	4850	100	0	471000
13	Catla	58560	153780	6720	77160	19560	0	147780	280860	239700	0	0	9360	0	0	993480
14	Chamos	675	5700	600	9075	2025	300	15150	600	375	225	2025	0	600	0	37350
15	Eels	50	400	50	750	100	0	1550	150	200	0	200	0	100	0	3550
16	Labeo Rohitha	15675	190850	2915	91630	100815	0	22880	231495	204325	6215	0	6765	0	0	873565
17	Mussel	0	13200	0	360	0	0	4960	320	0	7800	15540	0	1240	421960	465380
18	Edible Oyster	0	3960	0	1100	0	0	2240	0	0	0	8200	0	6040	9360	30900
19	Miscellaneous	3500	21750	5750	52250	17050	4950	122000	19750	5800	1600	13700	0	13200	3100	284400
TOTAL		163487	1139164	139922	2001325	491256	183424	4813071	1386092	828562	172656	218889	106695	155950	438549	12239042

Table 27(a)
DISTRICT WISE SPECIES WISE INLAND FISH LANDINGS IN KERALA FOR THE YEAR 2012-13 (QTY IN MT)

Sl. No	Name of fish	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	TOTAL
1	Prawn	46	945	217	3597	506	0	15668	2120	2	119	206	262	115	9	23812
2	Etroplus	56	731	136	2504	452	0	1920	211	0	26	142	0	112	0	6290
3	Murrels	133	594	46	895	498	87	1423	533	176	65	323	10	391	0	5174
4	Mulletts	83	854	108	1188	488	43	1553	506	100	73	271	0	270	3	5540
5	Cat fish	95	910	107	1236	524	60	1646	543	56	27	410	9	426	10	6059
6	Jew fish	47	415	93	904	229	0	1219	127	0	51	154	0	154	4	3397
7	Tilapia	210	1671	203	2306	590	67	3657	438	413	147	368	51	318	20	10459
8	Labeo fimbriatus	0	0	232	299	376	0	0	0	1736	0	0	0	0	0	2643
9	Barbus	20	90	4	56	75	31	87	66	85	29	46	0	67	0	656
10	Mrigal	0	1215	106	1484	0	0	410	2212	2314	1557	0	19	0	0	9317
11	Crabs	15	162	26	363	2	563	21	0	5	90	0	71	5	0	1323
12	Common carps	557	1255	30	747	351	0	658	1790	2829	74	434	91	2	0	8818
13	Catla	1053	2765	121	1387	352	0	2657	5049	4309	0	0	168	0	0	17861
14	Chamos	10	85	9	136	30	4	227	9	6	3	30	0	9	0	558
15	Eels	2	9	1	17	2	0	34	3	5	0	4	0	2	0	79
16	Labeo Rohitha	305	3714	57	1783	1962	0	445	4504	3975	121	0	132	0	0	16998
17	Mussel	0	602	0	16	0	0	226	15	0	356	709	0	57	19250	21231
18	Edible Oyster	0	224	0	62	0	0	127	0	0	0	464	0	342	531	1750
19	Miscellaneous	88	546	144	1310	428	124	3060	495	145	40	344	0	331	78	7133
TOTAL		2720	16787	1640	20290	6865	979	35038	18621	16156	2778	3905	813	2601	19905	149098

Table 27(b)
DISTRICT WISE SPECIES WISE VALUES OF INLAND FISHES IN KERALA FOR THE YEAR 2012-13 (Rs in 000's)

Sl. No	Name of fish	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	TOTAL
1	Prawn	12650	259875	59675	989175	139150	0	4309250	583000	0	32725	56650	72050	31625	2475	6548300
2	Etroplus	12600	164475	30825	563400	101700	0	432000	47475	0	5850	31725	0	25200	0	1415250
3	Murrels	7980	35640	2760	53700	29880	5220	85380	31980	10620	3960	19260	600	23460	0	310440
4	Mullets	8466	87108	10914	121176	49776	4386	158406	51612	10200	7548	27642	0	27540	306	565080
5	Cat fish	5510	52780	6264	71688	30392	3480	95468	31494	3248	1566	23722	522	24708	580	351422
6	Jew fish	2350	20750	4650	45200	11450	0	60950	6350	0	2500	7750	0	7700	200	169850
7	Tilapia	12600	100260	12180	138360	35400	4020	219420	26280	24720	8820	22140	3060	19080	1200	627540
8	Labeo fimbriatus	0	0	10440	13455	16920	0	0	0	78120	0	0	0	0	0	118935
9	Barbus	700	3150	140	1925	2625	1085	3045	2275	2975	1050	1645	0	2345	0	22960
10	Mrigal	0	85050	7490	103740	0	0	28700	154840	161980	109060	0	1330	0	0	652190
11	Crabs	5250	56700	9100	127050	700	197400	7350	0	1750	31850	0	24150	1750	0	463050
12	Common carps	27850	62750	1500	37350	17550	0	32900	89500	141450	3700	21700	4550	100	0	440900
13	Catla	73710	193550	8470	97090	24640	0	185990	353430	301700	0	0	11690	0	0	1250270
14	Chamos	750	6375	675	10200	2250	300	16950	675	525	225	2250	0	675	0	41850
15	Eels	50	500	50	900	100	0	1700	150	250	0	150	0	100	0	3950
16	Labeo Rohitha	21350	259980	3990	124810	137340	0	31150	315280	278320	8540	0	9100	0	0	1189860
17	Mussel	0	12040	0	320	0	0	4520	300	0	7120	14180	0	1140	385000	424620
18	Edible Oyster	0	4480	0	1240	0	0	2540	0	0	0	9300	0	6840	10600	35000
19	Miscellaneous	4400	27300	7200	65500	21400	6200	153000	24750	7250	2000	17200	0	16550	3900	356650
TOTAL		196216	1432763	176323	2566279	621273	222091	5828719	1719391	1023108	226514	255314	127052	188813	404261	14988117

Table- 28
HATCHERY WISE FISH SEED /FINGERLINGS/PRAWN SEED PRODUCTION (lakhs of Nos)
FROM 2010-11 TO 2012-13

Sl. No	Name of Farm	2010-11	2011-12	2012-13
1	NFSF, Malampuzha	108.511	2.477	70.19
2	Govt. Model Fish Farm, Pallam		3.52	6.79
3	Fisheries Complex, Pannivelichira	10.391		16.43
4	Fish Seed Farm ,Neyyar Dam	3.92	4.79	4.70
5	NFSF, Polachira	9.16	7.40	18.91
6	Regional Shrimp Hatchery, Azhikode	10.38	17.95	32.62
7	Prawn hatchery, FFDA ,Kollam		50.21	17.33

Table-29
FISH/ PRAWN SEED – PRODUCTION DETAILS (lakh of Nos) 2010-11 to 2012-13

Year	Name of species	Spawn	Fry	Finger lings	Hatch lings
(1)	(2)	(3)	(4)	(5)	(6)
1. National Fish seed Farm, Malampuzha					
2010-11	CATLA	89.65		17.41	89.65
	ROHU	262.05	5	43.04	262.05
	MRIGAL	219.25	5	40.74	219.25
	LABEO	30		6.1	30
	CYPRINUS	3		1.191	3.3
	THILOPIA	0		0.03	
	TOTAL	603.95	10	108.511	604.25
2011-12	CATLA	26.75	9.8	0.59	22.48
	ROHU	47.5	9.75	0.69	17.03
	MRIGAL	33.5	22.5	0.61	18.27
	LABEO	21		0.5	0.97
	CYPRINUS		1.03	0.07	2.8
	GRASS CARP				0.15
	THILOPIA			0.017	0.021
TOTAL	128.75	43.08	2.477	61.721	
2012-13	CATLA		0.806	27.36	6.78
	ROHU	15.5	0.706	22.02	5.32
	MRIGAL	26.5	0.706	18.12	
	LABEO	10			
	CYPRINUS			2.41	
	GRASS CARP			0.1	
	THILOPIA			0.18	0.06
TOTAL	52	2.218	70.19	12.16	

(1)	(2)	(3)	(4)	(5)	(6)
2. Government Model Fish Farm, Pallom					
2011-12	ROHU			0.9	
	LABEO			1.16	
	MRIGAL			1.46	
	TOTAL			3.52	
2012-13	ROHU			2.21	
	LABEO			2.63	
	MRIGAL			1.1	
	CATLA			0.85	
	TOTAL			6.79	
3. Fisheries Complex, Pannivelichira					
2010-11	CATLA	12.9	10.23	2.05	16.8
	ROHU	17.6	16.38	4.29	21.5
	MRIGAL	31.5	10.37	3.051	37
	LABEO	26.5	3	0.976	31.5
	CYPRINUS	0.5	0.088	0.024	0.9
	TOTAL	89	40.068	10.391	107.7
2011-12	CATLA	12.5			22.5
	ROHU	31.75			3.32
	MRIGAL	38.75			4.19
	LABEO	2.76			1.5
	CYPRINUS	4			0
	TOTAL	89.76			31.51
2012-13	CATLA	14.75		2.73	
	ROHU	16		4.17	
	MRIGAL	34.25		7.53	
	LABEO	11.25		1.7	
	CYPRINUS	3		0.3	
	TOTAL	79.25		16.43	
4. Fish Seed Farm, Neyyar Dam					
2010-11	ROHU	20	10	1.3	
	MRIGAL	10	5	1.27	
	LABEO	5	2.5	1	
	GRASS CARP	1	0.3	0.1	
	CYPRINUS	1	0.3	0.25	
	TOTAL	37	18.1	3.92	
2011-12	ROHU			1.13	
	MRIGAL			0.59	
	LABEO			2.77	
	GRASS CARP			0.3	
	TOTAL			4.79	

(1)	(2)	(3)	(4)	(5)	(6)
2012-13	ROHU			2.16	
	MRIGAL			0.9	
	LABEO			1.17	
	CYPRINUS			0.47	
	TOTAL			4.7	
5. National Fish Seed Farm, Polachira					
2010-11	CATLA	39		1.146	
	ROHU	11.5		1.164	
	MRIGAL	16.5		0.88	
	LABEO	47.8		2.804	
	GRASS CARP	1.05	0.008	0.086	
	CYPRINUS	9.87	2.31	3.08	
	TOTAL	135.59	2.318	9.16	
2011-12	CATLA	42.5	0.36	0.42	
	ROHU	17	0.34	0.36	
	MRIGAL	15.75	0.622	0.28	
	LABEO	32	0.76	5.66	
	CYPRINUS	8.75	1.73	0.68	
	TOTAL	116	3.812	7.4	
2012-13	CATLA	58.4		5.53	
	ROHU	31		4.43	
	MRIGAL	16		1.44	
	LABEO	46.5		6.73	
	CYPRINUS	2.75		0.72	
	GRASS CARP	0.75		0.06	
	TOTAL	155.4		18.91	

Year	Species			
	P.indicus	P.monodon	M.rosenbergii	Total
Regional Shrimp Hatchery, Azhikode (In Nos)				
2010-11	903000	71000	63590	1037590
2011-12	1318150	278000	199330	1795480
2012-13	2546700	526974	188800	3262474
Prawn Hatchery, FFDA, Neendakara, Kollam (in Nos)				
2011-12		4950500	70300	5020800
2012-13		1732900		1732900

Table-30

**PROGRESS OF FFDA FOR THE LAST 5 YEARS- PHYSICAL ACHIEVEMENTS
from 2008-09 to 2012-13**

Year	Area surveyed (in ha.)	Area brought under fish culture (in ha.)	No. Of beneficiaries	No. Of farmers trained	Production / ha. (in Kg.)
2008-2009	1355.58	656.13	2982	3037	2949
2009-2010	4213.69	2468.63	20123	8731	2960
2010-2011	5395.07	4748.22	24998	9289	2492
2011-2012	7110.18	5984.35	37953	9313	2631
2012-2013	6790.30	5897.056	41419	11510	2460

Table -31

**AVERAGE FISH PRODUCTION OF FFDA
from 2008-09 to 2012-13**

Year	Average Fish Production (Kg /Ha)	Production in Tonnes
2008-2009	2949	907.92
2009-2010	2960	3107.838
2010-2011	2492	6276
2011-2012	2631	7294.98
2012-2013	2460	12148.60

Table 32 (a)

PERFORMANCE OF FFDA IN KERALA DURING 2010-11

Sl No	District	No. of members during the year	Total area surveyed(Ha)	Area brought under fish culture (ha)	No. of beneficiaries	Distribution of fish seed (No.)	Harvested area (Ha)	Harvested Quantity (in tonne)	No. of farmers trained
1	Thiruvananthapuram	50	25	126	659	540200	85	221	37
2	Kollam	352	189	187	958	2300785	38.32	60.02	228
3	Pathanamthitta	757	120	113	757	665450	101.08	280.278	546
4	Alappuzha	5610	811	666	4168	3227700	665.7	1930.53	1012
5	Kottayam	2670	802	800	2160	3959800	529	1490.85	343
6	Idukki	4012	266	266	4212	911875	90	201	4212
7	Ernakulam	734	334	183	734	902500	20	58	694
8	Thrissur	625	509	634	2490	2015548	426	810	528
9	Palakkad	1691	1683	1059	2070	3647311	0	0	206
10	Malappuram	2512	400	353	2547	1735100	331	780	165
11	Kozhikode	883	72	72	883	361750	72.35	151.93	357
12	Wayanad	935	32	101	1851	506380	65	165	399
13	Kannur	618	39	75	729	375380	52.9	65	266
14	Kasaragode	780	114	114	780	322000	42	62	296
Total		22229	5396	4749	24998	21471779	2518.35	6275.61	9289

Table 32 (b)

PERFORMANCE OF FFDA IN KERALA DURING 2011-12

Sl No	District	No. of members during the year	Total area surveyed(Ha)	Area brought under fish culture (ha)	No. of beneficiaries	Distribution of fish seed (No.)	Harvested area (Ha)	Harvested Quantity (in tonne)	No. of farmers trained
1	Thiruvananthapuram	1066	233.94	394.791	1436	1457520	126	365.96	379
2	Kollam	633	239.00	235.04	805	1973300	166.87	640.00	93
3	Pathanamthitta	298	25.248	151.02	151	818600	166.00	556.002	246
4	Alappuzha	6131	1610.66	809.285	6131	8092425	98.00	203.00	221
5	Kottayam	2571	1061.00	1014.086	2571	5398349	206.50	516.00	453
6	Idukki	7424	523.082	630.10	7424	1763225	85.00	212.00	4405
7	Ernakulam	849	662.96	242.01	1007	1235300	182.50	525.40	327
8	Thrissur	897	184.628	529.658	3282	2633900	426.50	1242.0	324
9	Palakkad	1901	1564.32	851.56	1691	4203370	171.034	511.612	106
10	Malappuram	3822	601.00	594.08	3822	2970400	830.08	1749.00	71
11	Kozhikode	1974	257.68	215.50	2488	1140500	80.50	187.10	532
12	Wayanad	641	16.46	125.00	3033	630750	132.00	381.20	425
13	Kannur	1701	40.10	102.116	1664	510580	11.40	27.70	1322
14	Kasaragode	3880	90.10	90.10	2448	1219000	90.10	178.0	409
Total		33788	7110.178	5984.346	37953	34047219	2772.484	7294.974	9313

Table 32 (c)
PERFORMANCE OF FFDA IN KERALA DURING 2012-13

Sl No	District	No. of members during the year	Total area surveyed(Ha)	Area brought under fish culture (ha)	No. of beneficiaries	Distribution of fish seed (No.)	Harvested area (Ha)	Harvested Quantity (in tonne)	No. of farmers trained
1	Thiruvananthapuram	979	285.12	278.615	979	14052	250.00	750.00	877
2	Kollam	1930	340	333.43	1930	1672700	230.00	796.00	1245
3	Pathanamthitta	1584	225	214.384	1625	1134020	214.00	510.00	1862
4	Alappuzha	4529	1000	900.94	4529	4530700	900.00	2700.00	1004
5	Kottayam	3212	1065.15	565.1	3212	3283115	420.00	1302.00	2032
6	Idukki	8337	343.82	342.6	0	1948800	173.00	289.00	490
7	Ernakulam	2715	320.66	266.534	2715	1244086	266.00	665.00	609
8	Thrissur	573	1003	896	6204	4483250	578.00	11.84	1075
9	Palakkad	2685	927.524	929.931	2685	4543320	921.83	1907.92	505
10	Malappuram	6559	711.88	643.4	6559	3217000	440.00	1050.00	118
11	Kozhikode	2262	174.4	162.192	2409	807430	159.84	399.80	140
12	Wayanad	2846	160.43	150.93	2846	761420	151.06	377.50	325
13	Kannur	2100	129	113	2100	564630	113.00	47.00	625
14	Kasaragode	3626	104.32	100	3626	1004500	121.00	1342.74	603
Total		43937	6790.301	5897.056	41419	29209023	4937.73	12148.60	11510

Table 33
Details of production of prawn seeds from *MATSYAFED* hatcheries from 2010-11 to 2012-13

Hatchery	Kannur		Kaipamangalam		Veliyamcode		Thirumullavaram		Total	
	Production (No. in lakh)	Value (Rs. in lakh)	Production (No. in lakh)	Value (Rs. in lakh)	Production (No. in lakh)	Value (Rs. in lakh)	Production (No. in lakh)	Value (Rs. in lakh)	Production (No. in lakh)	Value (Rs. in lakh)
2010-11	176.92	54.77	26.17	8.70	0.25	0.10	227.28	82.18	430.62	145.75
2011-12	151.14	54.27	22.73	6.84	26.44	13.05	246.90	85.81	447.21	159.97
2012-13	74.10	30.69	155.90	58.43	33.00	10.04	252.26	108.40	515.26	207.56

Table 34
Details of production of fish from the *MATSYAFED* fish farms from 2010-11 to 2012-13

Name of farm	Njarakkal		Palaikari		Malippuram		Total	
	Production (in MT)	Value (Rs. in lakh)	Production (in MT)	Value (Rs. in lakh)	Production (in MT)	Value (Rs. in lakh)	Production (in MT)	Value (Rs. in lakh)
2010-11	7.77	9.30	8.60	7.34	7.79	10.42	24.16	27.06
2011-12	8.23	10.62	7.14	8.41	7.97	14.67	23.34	33.70
2012-13	8.18	12.00	13.78	11.36	7.58	13.80	29.54	37.16

Table 35
DETAILS OF FISH HARVESTED FROM RESERVOIRS FROM 2010-11 TO 2012-13

SI No	Name of District	Name of Reservoir	Area in Hz	Fish harvested in Kgs		
				2010-11	2011-12	2012-13
1	Thrissur	Peechi	1500	1996.45	313.12	442.9
2	Palakkad	Kanjirappuzha	512	NR	3625.4	6282.3
3	Palakkad	Mangalam	393	10303.7	37488.71	9172.9
4	Palakkad	Valayar	259	27220.68	6437.35	3570
5	Palakkad	Malampuzha	2313	48056	55517.5	85363.4
6	Palakkad	Meenkara(Muthalamada)	259	20678.65	25102.99	44536
7	Palakkad	Pothundi	363	5401.8	6597.48	9417.4
8	Palakkad	Chulliyar	159	45410.1	45828	53516.6

MATSYA SAMRUDHI (2012-13 to 2014-15)

“Matsyasamrudhi” is an integrated project for the development of inland fisheries and aquaculture. The programme is being implemented in 14 districts of the state over the period from 2012-13 to 2014-15 (3 years) by the Department of Fisheries with co-operation of Local Self Governments. The main objective is to increase inland fish production of the state. Through ‘Matsyasamrudhi’ it is envisaged to implement diversified aquaculture programmes for maximum utilization of water bodies of the state. Under the fold of this project, 12000 Hz of inland water areas including ponds & tanks, padasekharams, pokkali fields, kole lands are targeted to bring under fish culture. More than 900 Grama Panchayats participating in the programme. Out of 12000 Hz envisaged for culture 6000 Hz of inland water area are targeted to bring under fresh water fish culture, 3000 Hz of Padasekharams/Kole lands envisaged to develop for fish/prawn/integrated fish culture and 3000 Hz of brackish water area will be utilized for shrimp culture. As a part of the project, propagation of “State Fish-Karimeen (*Etroplus Suratensis*)” culture in ponds and cages are also included.

Table 36

Matsysakeralam 1st phase harvest details (2009-10)

SI No	District	Fresh water								Brackish water						Total	
		Quantity in MT							Value (Rs. in lakh)	Quantity in MT					Value (Rs. in lakh)	Quantity in MT	Value (Rs. in lakh)
		Catla	Rohu	Mirigal	Grass Carp	others	Scampi	Total		Shrimp	Fin fish	Mussel	Crab	Total			
1	TVM	103.52	47.08	46.691	57.265	0.08	59.42	314.05	322.9	0.6				0.6	1.26	314.65	324.16
2	KLM	182.05	86.457	45.692	103.15	0	50.82	468.174	706.94	71.8	1	68		140.8	163.59	608.974	870.53
3	PTA	112.63	51.947	43.656	62.78	0	1.263	272.272	163.37			0		0		272.272	163.37
4	ALPA	722.42	352.774	338.637	384.56	0	433.9	2232.247	1324.6	500.05		1.5		501.55	1050.1	2733.797	2374.74
5	KTM	835.9	405.266	293.842	458.24	3.25	285.2	2281.698	1502.5	14		0		14	29.4	2295.698	1531.85
6	IDKY	282.65	128.025	133.008	156.01	0	0	699.699	237.9			0		0		699.699	237.9
7	ERKM	185.56	80	90.168	91.195	0	6.11	453.029	267.29	1221.5		25.5		1247	2570.2	1700.029	2837.44
8	TSR	373.98	185.772	12.17	217.34	0.01	0.677	789.945	481.87	194.75	7	1.5		203.25	418.02	993.195	899.89
9	PLKD	738.82	333.88	355.2	407.29			1835.186	1101.1			0		0		1835.186	1101.12
10	MLPM	232.41	114.993	12.1	134.76		2.52	496.778	496.78	29.85		40		69.85	64.71	566.628	561.49
11	KZD	57.018	25.852	26.564	31.49		39.67	180.598	110.17	50.37		80		130.37	76.96	310.968	187.13
12	WYD	86.4	41.4	18	49.2			195	195			0		0		195	195
13	KNR	60.84	27.378	30.42	33.462			152.1	152.1	113.27		6.5		119.77	144.58	271.87	296.68
14	KSRD	66.888	33.174	2.7	38.838			141.6	63.72	3.88		2172	1	2176.88	395.71	2318.48	459.43
	Total	4041.1	1914	1448.85	2225.6	3.33	879.5	10512.38	7126.2	2200.07	8	2395	1	4604.07	4914.5	15116.45	12040.73

Table-37
Matsysakeralam 2nd phase harvest details (2010-11)

SI No	District	Fresh water (in MT)								Brackish water (in MT)						Total harvest(in MT)		
		Quantity in MT								Value (Rs. in lakh)	Quantity in MT					Value (Rs. in lakh)	Quantity in MT	Value (Rs. in lakh)
		Catla	Rohu	Mrigal	Grass Carp	others	Scampi	Total	Shrimp		Finfish	Mussel	Crab	Total				
1	TVM	84	160	52	64		20	380	323	3.61	2.55			6.16	12.68	386.16	335.68	
2	KLM	96	166	82.25	182		48	574.25	516.82	150.41				150.41	323.02	724.66	839.84	
3	PTA	73	100	75	52		30	330	231			47.79		47.79	0	1586.24	231	
4	ALPA	433	895	70	405	315	70	2188	1969.2	752.07	2.288		1	755.558	1586.2		3555.44	
5	KTM	802	870	15	440	115	205	2447	1957	20.79				20.79	43.66	2467.79	2000.66	
6	IDKY	239	236	320				795	596					0		795	596	
7	ERKM	157	228	92	70			547	437	1184.75		67.57	1	1252.82	2502.4	1799.82	2939.38	
8	TSR	437	450	316			62	1265	1138	265.7	3.857	1.5	1	272.057	567.87	1537.057	1705.87	
9	PLKD	1065	800	570				2435	1948					0		2435	1948	
10	MLPM	353	245	258	87		80	1023	920	37.62		5.72		43.34	72.33	1066.34	992.33	
11	KZD	75	94	31		26		226	180	84.92		190.8		275.69	144.3	501.69	324.3	
12	WYD	123	92	35		60		310	232					0		310	232	
13	KNR	48	74	68	32		5	227	181	148.12		18.2	0	166.62	190.09	393.62	371.09	
14	KSRD	82	59	54				195	156	147.7	0.805	2736		2884.315	565.62	3079.315	721.62	
	ADAK	391	260		559		300	1510	1057					0		1510	1057	
	Total	4458	4729	2038.25	1891	516	820	14452.25	11842.02	2795.69	9.5	3067	3	5875.55	6008.2	20327.8	17850.21	

Table-38
Matsysakeralam 3rd phase harvest details (2011-12)

SI No	District	Fresh water (in MT)								Brackish water (in MT)					Total		
		Quantity in MT								Value (Rs. in lakh)	Quantity in MT				Value (Rs. in lakh)	Quantity in MT	Value (Rs. in lakh)
		Catla	Rohu	Mrigal	Grass Carp	others	Scampi	Total	Shrimp		Mussel	Crab	Total				
1	TVM	108	150	82	90		31	461	345.75	12.122			12.122	22.2	473.122	367.95	
2	KLM	121	216	109	231		37	714	535.5	214.364			214.364	392.57	928.364	928.07	
3	PTA	114	144	94	65		40	457	342.75	0			0			342.75	
4	ALPA	464	1168	118	423	126	72	2371	1896	884.581		2	886.581	1623.95		3519.95	
5	KTM	949	1090	40	600	134	185	2998	2398.4	27.275			27.275	49.95	3025.275	2448.35	
6	IDKY	202	193	375				770	577.5	0			0		770	577.5	
7	ERKM	165	368	99	98			730	547.5	596.018	104	1	701.018	1112.22	1431.018	1659.72	
8	TSR	568	596	367			69	1600	1280	209.374		1	210.374	385.43	1810.374	1665.43	
9	PLKD	1380	818	366				2564	1923	0			0		2564	1923	
10	MLPM	650	426	463	157		90	1786	1339.5	41.862	108		149.862	76.66	1935.862	1416.16	
11	KZD	85	113	34		19		251	188.25	62.309			62.309	133.54	313.309	321.79	
12	WYD	161	122	36		71		390	292.5	0			0		390	292.5	
13	KNR	68	123	68	43		10	312	234	286.139	100.59	1	387.729	544.01	699.729	778.01	
14	KSRD	109	92	82				283	212.25	30.306	2788		2818.306	2357.34	3101.306	2569.59	
	ADAK	430	292		426		218	1366	1024.5	429.941			429.941	787.36	1795.941	1811.86	
	Total	5574	5911	2333	2133	350	752	17053	13137.4	2794.291	3100.59	5	5899.881	7485.23	22952.88	20622.63	

Table-39
Matsyakeralam – Area brought under fish culture (2009-10 to 2011-12) in Ha

SI No	District	Fresh water				Brackish water				Total
		1st phase	2nd phase	3rd phase	Total	1st phase	2nd phase	3rd phase	Total	
1	Trivandrum	104.68	127.00	151.60	383.28	1.016	6.016	12.000	19.03	402.31
2	Kollam	153.50	189.90	235.09	578.49	75.788	156.680	212.200	444.67	1023.16
3	Pathanamthitta	90.76	109.49	151.02	351.27				0.00	351.27
4	Allappzha	725.61	665.74	783.00	2174.35	506.792	751.500	875.650	2133.94	4308.29
5	Kottayam	738.82	800.00	996.58	2535.40	18.480	27.000	27.000	72.48	2607.88
6	Iduky	229.41	266.00	251.58	746.99				0.00	746.99
7	Eranakulam	151.01	180.50	240.62	572.13	1122.857	1118.850	590.000	2831.71	3403.84
8	Thrissur	259.00	426.60	523.00	1208.60	195.685	262.880	207.260	665.83	1874.43
9	Palakkad	592.00	737.58	851.56	2181.14				0.00	2181.14
10	Malappuram	165.59	347.22	594.08	1106.89	35.358	44.000	41.440	120.80	1227.69
11	Kozhicode	60.20	72.35	78.79	211.34	46.460	77.200	61.680	185.34	396.68
12	Wayanad	65.00	101.27	125.00	291.27				0.00	291.27
13	Kannur	50.70	75.07	102.12	227.89	138.102	178.450	283.250	599.80	827.69
14	Kasaragode	47.20	64.40	90.00	201.60	4.950	18.460	30.000	53.41	255.01
	ADAK		395.00	452.70	847.70			425.600	425.60	1273.30
	Total	3433.48	4558.12	5626.74	13618.34	2145.488	2641.036	2766.080	7552.60	21170.94

Table -40

Matsya Samrudhi -1st phase harvest details (2012-13)

SI No	Name of District	Fresh water									Brackish water			Total production (MT)
		Area harvested (in ha)	Weight obtained (in MT)								Shrimp		Mussel	
			Catla	Rohu	Mrigal	Grass Carp	Cyprinus	Scampi	Carp by means of open water ranching	Total	Area harvested (in ha)	Weight obtained (MT)	Weight obtained (MT)	
1	Trivandrum	278.615	233	285	172	154	0	0	75	919	10	11.04	0	930.04
2	Kollam	330.4	171	330	32	332	140.5	0	84	1089.5	165	181.45	200	1471
3	Pathanamthitta	214.384	182.08	238.4	178.98	35.25	0	0	106	740.71	0	0	0	740.71
4	Allappzha	1450.32	911.9	1705	0	1465	0	0	72	4153.9	778.068	848.9	0	5002.8
5	Kottayam	1153.6	678	986	293	1113	135	0	85	3290	20	21.75	0	3311.8
6	Iduky	340.28	310	278	0	279	178	0	72	1117	0	0	0	1117
7	Eranakulam	261.48	253	241	156	187	0	0	77	914	658.4	722.52	5	1641.5
8	Thrissur	893	792	768	452	506	0	0	84	2602	125	131.42	0	2733.4
9	Palakkad	921	1455	739	718	0	0	0	90	3002	0	0	0	3002
10	Malappuram	643.4	560	492	509	340	0	22	93	2016	9.62	9.7	68	2093.7
11	Kozhicode	159.84	159	150	100	58	107	0	74	648	51.514	55.98	15	718.98
12	Wayanad	112.926	99	91	91	80	0	0	60	421	0	0	0	421
13	Kannur	151.072	181	136	0	0	165	0	71	553	60	63	80	696
14	Kasaragode	100	132	101	93	0	0	0	72	398	20	22.05	1352.56	1772.6
	Total	7010.317	6116.98	6540.4	2794.98	4549.25	725.5	22	1115	21864.11	1897.602	2067.81	1720.56	25652.53

Table -41

PRAWN PRODUCTION IN INDIA: STATES / UNION TERRITORIES - 1999-00 to 2010-11

Year	P/ NP/T	A.P	Goa	Gujarat	Karnata ka	Kerala	Mahara shtra	Odisha	Tamil Nadu	West Bengal	A & N Islands	Daman & Diu	Pudu cherry	Total for INDIA
1999-00	P	19009	2651	50627	4699	73317	36325	9984	20093	11387	-	215	2615	230,922
	NP	7719	-	-	-	520	82219	4310	4843	3950	601	290	1116	105,568
	Total	26728	2651	50627	4699	73837	118544	14294	24936	15337	601	505	3731	336490
2000-01	P	17162	2284	53983	2913	58275	28206	14585	20257	11760	298	196	3316	213,235
	NP	8181	-	-	8951	10892	70051	3887	4594	5900	53	395	1177	114,081
	Total	25343	2284	53983	11864	69167	98257	18472	24851	17660	351	591	4493	327316
2001-02	P	16450	2483	48773	2248	49151	33654	15105	21079	11700	434	135	3312	204,524
	NP	7729	-	-	6496	3615	75875	4064	4671	6000	100	379		108,929
	Total	24179	2483	48773	8744	52766	109529	19169	25750	17700	534	514	3312	313453
2002-03	P	1160	2284	6710	15251	53490	45442	18398	13151	12730	418	89	3430	172,553
	NP	1061	-	42794	318	3342	56965	2213	10875	6110	71	302	1560	125,611
	Total	2221	2284	49504	15569	56832	102407	20611	24026	18840	489	391	4990	298164
2003-04	P	1160	2284	46330	10826	53437	45442	21228	16848	13050	560	46	2398	213,609
	NP	1061	-	9150	464	3364	56965	3023	11755	7950	128	126	1072	95,058
	Total	2221	2284	55480	11290	56801	102407	24251	28603	21000	688	172	3470	308667
2004-05	P	21507	7703	9302	11841	57252	31537	23398	18636	23780	560	33	2348	207,897
	NP	12185	-	53303		12655	68634	2031	4263	20000	128	89	1435	174,723
	Total	33692	7703	62605	11841	69907	100171	25429	22899	43780	688	122	3783	382620

Year	P/ NP/T	A.P	Goa	Gujarat	Karnata ka	Kerala	Mahara shtra	Odisha	Tamil Nadu	West Bengal	A & N Islands	Daman & Diu	Pudu cherry	Total for INDIA
2005-06	P	157094	5837	15683	11690	47752	58670	22790	42096	63297	568	127	1386	426,990
	NP	28769	-	57378	1398	11713	67696	2429	1250	57000	128	207	270	228,238
	Total	185863	5837	73061	13088	59465	126366	25219	43346	120297	696	334	1656	655228
2006-07	P	22160	10250	18449	7500	58008	42519	24968	44454	52001	407	103	79	280,898
	NP	9834	-	58217	351	11592	51801	3161	1342	27967	158	107	255	164,785
	Total	31994	10250	76666	7851	69600	94320	28129	45796	79968	565	210	334	445,683
2007-08	P	24987	9545	19088	8251	55619	45352	26255	21701	54044	412	103	1674	267,031
	NP	11745	-	54980	549	11582	53869	2820	949	32851	173	107	609	170,234
	Total	36732	9545	74068	8800	67201	99221	29075	22650	86895	585	210	2283	437265
2008-09	P	27742	8693	13509	9071	68016	55956	28879	29863	43452	416	113	1578	287,288
	NP	18494	-	27591	741		36231	2774	7982	25596	172	117	648	120,346
	Total	46236	8693	41100	9812	68016	92187	31653	37845	69048	588	230	2226	407634
2009-10	P	24329	11029	17488	16443	67573	38657	25603	30085	49734	349	139	1743	283,172
	NP	19860	-	30383	166		68743	3974	8062	20988	150	34	717	153,077
	Total	44189	11029	47871	16609	67573	107400	29577	38147	70722	499	173	2460	436249
2010-11	P	28324	8584	22223	19873	70677	35091	27095	31947	67194	468	367	1018	312,861
	NP	18884	-	37182	3366		67936	5281	8539	25105	184	110	467	167,054
	Total	47208	8584	59405	23239	70677	103027	32376	40486	92299	652	477	1485	479915

Source- Fishery Survey of India

Table-42

ALL INDIA INLAND FISH PRODUCTION (in lakh MT)

Year	Quantity	% of Variation
1980-81	8.87	
1981-82	9.99	+12.6
1982-83	9.4	-5.9
1983-84	9.87	+5
1984-85	11.03	+11.8
1985-86	11.6	+5.2
1986-87	12.29	+5.9
1987-88	13.01	+5.9
1988-89	13.35	+2.6
1989-90	14.02	+5
1990-91	15.36	+9.6
1991-92	17.1	+11.3
1992-93	17.89	+4.6
1993-94	19.95	+11.5
1994-95	20.97	+5.1
1995-96	22.42	+6.9
1996-97	23.81	+6.2
1997-98	24.38	+2.4
1998-99	26.02	+6.7
1999-00	28.23	+8.5
2000-01	28.45	+0.8
2001-02	31.26	+9.9
2002-03	32.1	+2.7
2003-04	34.58	+7.7
2004-05	35.25	+1.9
2005-06	37.56	+6.6
2006-07	38.45	+2.4
2007-08	42.07	+9.4
2008-09	46.38	+10.2
2009-10	48.94	+5.5
2010-11	49.81	+1.8
2011-12	52.95	+6.3
2012-13(Provisional)	56.32	+6.4

Source: Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture, New Delhi

Table-43
STATE WISE INLAND FISH PRODUCTION 2008-09 to 2010-11 (in '000 Tonnes)

Sl. No.	State/Uts	2008-09	%	2009-10	%	2010-11	%
1	Andhra Pradesh	961.62	20.7	1012.71	20.7	1079.56	21.7
2	Arunachal Pradesh	2.88	0.1	2.65	0.1	3.15	0.1
3	Assam	206.15	4.4	218.82	4.5	227.24	4.6
4	Bihar	300.65	6.5	297.4	6.1	299.91	6.0
5	Goa	3.08	0.1	3.44	0.1	3.31	0.1
6	Gujarat	142.85	3.1	84.07	1.7	85.97	1.7
7	Haryana	76.28	1.6	100.46	2.1	96.19	1.9
8	Himachal Pradesh	7.79	0.2	7.85	0.2	7.38	0.1
9	Jammu & Kashmir	19.27	0.4	19.3	0.4	19.7	0.4
10	Karnataka	143.72	3.1	171.33	3.5	186.01	3.7
11	Kerala	102.84	2.2	128.84	2.6	121.21	2.4
12	Madhya Pradesh	68.47	1.5	66.12	1.4	56.45	1.1
13	Maharashtra	127.14	2.7	134.59	2.8	148.55	3.0
14	Manipur	18.8	0.4	19.2	0.4	20.2	0.4
15	Meghalaya	3.96	0.1	4.33	0.1	4.56	0.1
16	Mizoram	2.89	0.1	3.25	0.1	2.9	0.1
17	Nagaland	6.17	0.1	6.36	0.1	6.58	0.1
18	Orissa	239.33	5.2	253.22	5.2	252.71	5.1
19	Punjab	86.21	1.9	122.86	2.5	97.04	1.9
20	Rajasthan	24.1	0.5	26.91	0.5	28.2	0.6
21	Sikkim	0.16	0.0	0.16	0.0	0.18	0.0
22	Tamil Nadu	168.88	3.6	181.8	3.7	210.2	4.2
23	Tripura	36	0.8	42.28	0.9	49.23	1.0
24	Uttar Pradesh	349.27	7.5	392.93	8.0	417.48	8.4
25	West Bengal	1294.71	27.9	1338	27.3	1246.15	25.0
26	A&N Islands	0.16	0.0	0.17	0.0	0.19	0.0
27	Chandigarh	0.24	0.0	0.24	0.0	0.24	0.0
28	D & N Haveli	0.05	0.0	0.05	0.0	0.05	0.0
29	Daman & Diu	0.08	0.0	0	0.0	0.12	0.0
30	Delhi	0.71	0.0	0.71	0.0	0.82	0.0
31	Lakshadweep	0	0.0	0	0.0	0	0.0
32	Pondicherry	5.75	0.1	5.85	0.1	5.85	0.1
33	Chhattisgarh	158.7	3.4	174.25	3.6	228.21	4.6
34	Uttaranchal	3.16	0.1	3.49	0.1	3.82	0.1
35	Jharkhand	75.8	1.6	70.5	1.4	71.89	1.4
	Total	4637.87	100	4894.14	100	4981.25	100

Source: Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture.

Table -44

**Existing rates of user charges /fees of various services /facilities
rendered by Department of Fisheries**

a) Selling price of Fish/shrimp seed in government hatcheries and farms in Kerala
(as per G.O(Ms) No.62/12/F&PD dated 31/07/2012)

SI No	Species	Average size	Rate Rs per 100 No.
1	White prawn (P.Indicus)	PL 20	11.00
2	Tiger Prawn(P.Monodon)	PL 20	45.00
3	Scampi (Macrobrachium romsenbergii)	PL 20	60.00
4	Catla (Catla Catla)	<8mm	1.60
		8-25mm	23.00
		25-40mm	35.00
		40-100mm	50.00
		100-150mm	65.00
5	Rohu(Labeo rohita)	<8mm	1.60
		8-25mm	23.00
		25-40mm	35.00
		40-100mm	50.00
		100-150mm	65.00
6	Mrigal(Cirrihinus mrigala)	<8mm	1.60
		8-25mm	12.00
		25-40mm	23.00
		40-100mm	35.00
		100-150mm	45.00
7	Labeo (Labeo fimbriatus)	<8mm	1.60
		8-25mm	12.00
		25-40mm	23.00
		40-100mm	25.00
		100-150mm	40.00
8	Common Carp (Cyprinus carpio)	<8mm	1.60
		8-25mm	12.00
		25-40mm	30.00
		40-100mm	35.00
		100-150mm	40.00
9	Silver carp (Hypophthalmichthys molitrix)	<8mm	6.00
		8-25mm	50.00
		25-40mm	55.00
		40-100mm	70.00
		100-150mm	100.00
10	Grass carp (Ctenopharyngodon idella)	<8mm	6.00
		8-25mm	50.00
		25-40mm	60.00
		40-100mm	75.00
		100-150mm	100.00
11	Milk fish (Chanos chanos)	25mm	300.00

12	Pearl spot (Etroplus suratensis)	20mm	600.00
		30mm	800.00
13	Murrels (Ophiocephalus Spp.)		300.00
14	Sea bass (Lates calcarifer)		300.00
15	Grey mullet (Mugil cephalus)		400.00
16	Tilapia(Oreochromis mossambicus)	25-40mm	25.00
		40-100mm	30.00
		100-150mm	40.00
17	Oxygen packing charges		Rs 7.00 per packet

b) Selling price of Ornamental Fish in government hatcheries and farms of Kerala

SI No	Species	Rs per pair		
		Up to 2 months	2-4 months	4 months & above
1	Gold fish	20	30	40
2	Angel fish	20	30	40
3	Golden moly	15	20	30
4	Black moly	10	15	25
5	Black moor	50	75	100
6	Golden rosse	10	15	25
7	Blue gourami	15	25	40
8	Snow white gouramy	15	25	40
9	Coie carp	10	15	25
10	Red thilapia	20	25	30
11	Red sword tail	10	25	40
12	Widow tetra	10	15	25
13	Platy	10	15	25
14	Guppy	5	10	15
15	Half black guppy	10	15	20
16	German guppy	15	20	25
17	Moscow blue(Gu ppy)	10	15	20
18	Tiger barb	10	15	25
19	Silver moli	10	15	25
20	Zebra line	10	15	25
21	Sunlight platy	5	15	25
22	White moly	10	15	25
23	Fitter (One)	10	15	25
24	Rosy barb	10	20	30
25	Sucker fish	30	50	80
26	Miss Kerala	20	40	70

Table -45

**Fees for licensing (Registration/Re-Registration)
of fishing gears & chinese nets/chemmeen vatt in the state
(as per G.O (Rt) No.257/10/F&PD ,dated 29.03.09)**

SI No.	Description of Gear	Rate (Rs.)
A	Chinese Nets	
1	Annual Income - Above Rs.1000	200
2	Between Rs.750 & 1000	150
3	Below Rs.750	100
B	Free Nets	
1	Class I	100
2	Class II	100
3	Class III	100
4	Class IV	100
5	Class V	50
6	Class VI	50
C	Kole Net, Kodinet and other nets (Per year)	250
D	Chemmeen Vatt (Per Acre)	150

Table-46

INLAND FISHERIES – ANNUAL PLAN 2010-11 to 2012-13

(Rs in lakhs)

Name of Scheme	Head of Account	Outlay for Annual Plan 2010-11	Expenditure during 2010-11	Outlay for 2011-12	Expenditure during 2011-12	Outlay for 2012-13	Expenditure during 2012-13
Ranching of Open Water Bodies & Reservoirs	2405-101-74	15	15	15	14.44		
Patrolling in Backwaters	2405-101-94	15	3.16	75	72.89		
Fish Seed Farms, Nurseries & Hatcheries	2405-101-87	30	20.35	50	24.97	300	187.98
Integrated Scampi/ Fish Culture in kole lands of Thrissur and Paddy fields of Kuttanad	2405-101-71	40	40	100	100	400	400
Integrated Prawn Culture Development Project in Pokkali Lands	2405-101-76	0		100	100		
NFDB Assisted scheme for inland fisheries /production enhancement	2405-00-101-66	400	395	400	400	800	800
Conservation and management of fish resources	2405-00-101-62					200	154.87
Matsya Samrudhi	2405-00-101-61					400	400

* Including Central Share

Table -47

**Contribution of fishing to the NSDP at factor cost for the years
from 2008-2009 to 2012-2013
(at current price) (Base year: 2004-2005)**

Items	2008-09	2009-10	2010-11	2011-12 (Provisional)	2012-13 (Quick)
NET DOMESTIC PRODUCT (RS. in lakh) *	18013436	20606979	23317749	27206498	30933162
Fishing (RS. in Lakh) *	230677	270607	290812	321539	436212
Percentage share of Fisheries to NSDP	1.28	1.31	1.25	1.18	1.41
Growth rate in %	0.04	17.31	7.47	10.57	35.66
Population ('000) *	33958	34216	34467	34708	34942
Per capita income (in Rupees) *	53046	60226	67652	78387	88527
Per capita income of fishermen (Rupees)	20367	23683	25237	32102	43333

* Source: State income Figures – Directorate of Economics & Statistics

Table 48

**Contribution of fishing to the NSDP at factor cost for the years
from 2008-2009 to 2012-2013
(at constant price) (Base Year: 2004-2005)**

Items	2008-09	2009-10	2010-11	2011-12 (Provisional)	2012-13 (Quick)
NET DOMESTIC PRODUCT (RS. in Lakh) *	14409392	15712270	16717844	18081208	19607691
Fishing (RS. In Lakh) *	147008	146344	141052	145156	141099
Percentage share of Fisheries to NSDP	1.02	0.93	0.84	0.80	0.72
Growth rate in %	-0.17	-0.45	-3.62	2.91	-2.79
Population ('000) *	33958	34216	34467	34708	34942
Per capita income (in Rupees) *	42433	45921	48504	52095	56115
Per capita income of fisherman(in Rs.)	12980	12808	12241	14493	14017

* Source: State income Figures – Directorate of Economics & Statistics

Table 49

**Contribution of fishing to the GDP at factor cost for the years
from 2008-2009 to 2012-2013
(at current price) (Base year: 2004-2005)**

Items	2008-09	2009-10	2010-11	2011-12 (Provisional)	2012-13 (Quick)
GROSS DOMESTIC PRODUCT (Rs. in Lakh) *	20278279	23199867	26377330	30790606	34933832
Fishing (Rs. in Lakh) *	268413	323461	340990	377018	511478
Growth rate in %	1.89	20.51	5.42	10.57	35.66
Percentage share of Fisheries to GDP	1.32	1.39	1.29	1.22	1.46
Population ('000) *	33958	34216	34467	34708	34942
Per capita income (in Rupees) *	59716	67804	76529	88713	99977
Per capita income of fisherman(in rupees)	23700	28309	29592	37640	50809

* Source: State income Figures – Directorate of Economics & Statistics

Table 50

**Contribution of fishing to the GDP at factor cost for the years
from 2008-09 to 2012-13
(at constant price) (Base year: 2004-2005)**

Items	2008-09	2009-10	2010-11	2011-12 (Provisional)	2012-13 (Quick)
GROSS DOMESTIC PRODUCT (RS. IN LAKH) *	16265920	17757135	18985071	20495672	22184990
Fishing (RS. IN LAKH) *	178403	188681	179413	184354	181918
Growth rate in %	-0.64	5.76	-4.91	2.75	-1.32
Percentage share of Fisheries to GDP	1.1	1.06	0.95	0.9	0.82
Population ('000) *	33958	34216	34467	34708	34942
Per capita income (in Rupees) *	47900	51897	55082	59052	63491
Per capita income of fisherman(in rupees)	15752	16513	15557	18405	18071

* Source: State income Figures – Directorate of Economics & Statistics

Table 51

**CONTRIBUTION OF FISHING TO NDP ESTIMATES AT CURRENT PRICES FOR THE YEAR 2009-2010
(District level break up) (base year 2004-2005)**

	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	STATE
Net Domestic Product * (Rs. in Lakhs)	2175402	1540677	821234	1372268	1432615	754923	2906540	2007811	1647673	1628209	1788089	396985	1489938	644616	20606979
Fishing*(Rs.in Lakhs)	16836	47268	856	54678	3309	491	37330	30912	7399	10852	31118	340	9493	19725	270607
Percentage of Fishing to Net Domestic Product	0.77	3.07	0.1	3.98	0.23	0.07	1.28	1.54	0.45	0.67	1.74	0.09	0.64	3.06	1.31
Mid year Population (In ' 000)*	3481	2729	1272	2201	2064	1174	3350	3176	2819	4105	3100	877	2540	1318	34216
Per capita income (in Rs.)*	62494	56250	64562	62347	69410	64303	86762	63218	58449	39664	57680	45266	58659	48909	60226

Table 52

**CONTRIBUTION OF FISHING TO NDP ESTIMATES AT CURRENT PRICES FOR THE YEAR 2010-2011 (PROVISIONAL)
(District level break up) (base year 2004-2005)**

	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	STATE
Net Domestic Product * (Rs. In Lakhs)	2531773	1805139	970737	1533775	1663391	900001	3344754	2303049	1836993	1926210	2100210	475650	1761931	788972	23942585
Fishing*(Rs In Lakhs)	18628	51183	728	59149	2865	419	37682	32701	6242	11844	34502	351	10340	18638	285272
Percentage of Fishing to Net Domestic Product	0.74	2.84	0.07	3.86	0.17	0.05	1.13	1.42	0.34	0.61	1.64	0.07	0.59	2.36	1.19
Population (In ' 000)*	3507	2759	1281	2217	2079	1183	3375	3199	2840	4134	3123	883	2559	1328	34467
Per capita income (In Rs.)*	72192	65427	75780	69182	80009	76078	99104	71993	64683	46594	67250	53868	68852	59411	69465

* Source: State income Figures – Directorate of Economics & Statistics

Table 53

**Contribution of fishing to NDP estimates at current prices for the year 2011-2012 (QUICK)
District level break up (base year 2004-2005)**

	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	STATE
Net Domestic Product * (Rs. In Lakhs)	2973945	2115450	1139625	1798969	1954513	1054626	3913382	2704849	2152917	2258892	2466923	557834	2069825	925334	28087084
Fishing*(Rs In Lakhs)	20021	55013	783	63575	3080	451	40501	35147	6709	12731	37083	377	11114	20033	306617
Percentage of Fishing to Net Domestic Product	0.67	2.6	0.07	3.53	0.16	0.04	1.03	1.3	0.31	0.56	1.5	0.07	0.54	2.16	1.09
Population (In ' 000)*	3531	2778	1290	2233	2094	1191	3398	3222	2859	4164	3145	890	2576	1337	34708
Per capita income (In Rs.)*	84224	76150	88343	80563	93339	88550	115167	83949	75303	54248	78440	62678	80350	69210	80924

* Source: State income Figures – Directorate of Economics & Statistics

Table 54

**Contribution of fishing to NDP estimates at constant prices for the year 2009-2010
(District level break up) (base year 2004-2005)**

	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	STATE
Net Domestic Product * (Rs. In Lakhs)	1684765	1155840	637943	1043510	1099252	545316	2261351	1556704	1225430	1219160	1363644	292779	1137309	489268	15712270
Fishing*(Rs In Lakhs)	10904	28749	259	33050	983	138	18044	17406	1967	6685	20052	65	5828	3968	148098
Percentage of Fishing to Net Domestic Product	0.65	2.49	0.04	3.17	0.09	0.03	0.8	1.12	0.16	0.55	1.47	0.02	0.51	0.81	0.94

Table 55
Contribution of fishing to NDP estimates at constant prices for the year 2010-2011 (provisional)
(District level break up) (base year 2004-2005)

	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	STATE
Net Domestic Product * (Rs. in Lakhs)	1847688	1259004	696740	1101741	1173633	576400	2434249	1691398	1278344	1332342	1505876	320638	1255520	550117	17023691
Fishing*(Rs in Lakhs)	9087	24967	355	28853	1398	205	18381	15951	3045	5778	16830	171	5044	9092	139155
Percentage of Fishing to Net Domestic Product	0.49	1.98	0.05	2.62	0.12	0.04	0.76	0.94	0.24	0.43	1.12	0.05	0.4	1.65	0.82
Population (in ' 000)*	3507	2759	1281	2217	2079	1183	3375	3199	2840	4134	3123	883	2559	1328	34467
Per capita income (in Rs.)*	52686	45633	54390	49695	56452	48724	72126	52873	45012	32229	48219	36312	49063	41424	49391

* Source: State income Figures – Directorate of Economics & Statistics

Table 56
Contribution of fishing to NDP estimates at constant prices for the year 2010-2011 (provisional)
(District level break up) (base year 2004-2005)

	TVPM	KLM	PTA	ALP	KTYM	IDY	EKM	TCR	PKD	MLPM	KKD	WYD	KNR	KSD	STATE
Net Domestic Product * (Rs. In Lakhs)	2039737	1379699	769696	1211688	1290904	621518	2679942	1868740	1395852	1454271	1655976	348946	1379615	603173	18699759
Fishing*(Rs In Lakhs)	8908	24476	348	28285	1370	201	18020	15638	2985	5664	16499	168	4945	8913	136419
Percentage of Fishing to Net Domestic Product	0.44	1.77	0.05	2.33	0.11	0.03	0.67	0.84	0.21	0.39	1	0.05	0.36	1.48	0.73
Population (In ' 000)*	3531	2778	1290	2233	2094	1191	3398	3222	2859	4164	3145	890	2576	1337	34708
Per capita income (In Rs.)*	57767	49665	59666	54263	61648	52185	78868	57999	48823	34925	52654	39207	53556	45114	53877

* Source: State income Figures – Directorate of Economics & Statistics