

Gujarat Records Highest Marine Fish Landings in November, December

NETFISH maintains a database of marine fish landings at around 100 major harbour/landing centres across nine maritime states of India to facilitate the Catch Certification process of MPEDA. The details of boat arrivals and the various fishery items being landed by the fishing vessels are collected and uploaded on MPEDA's Catch Certificate website on a daily basis by Harbour Data Collectors. This report highlights the species-wise, harbour-wise and state-wise trend of marine landings in November 2020, based on the data obtained from 97 harbours.

ESTIMATIONS ON FISH LANDINGS NOVEMBER 2020

The landing of marine fishery items recorded from the 97 selected harbours during November 2020 totalled 111304.89 tons, of which the major contributor was the pelagic finfish resources with a share of 48% (53050.13 tons).

Demersal finfishes contributed 29369.76 tons (26%) to the total catch, 13273.73 tons (12%) by crustaceans, 15601.23 tons (14%) by molluscs and a small quantity of 10.05 tons by miscellaneous items (Fig.1).

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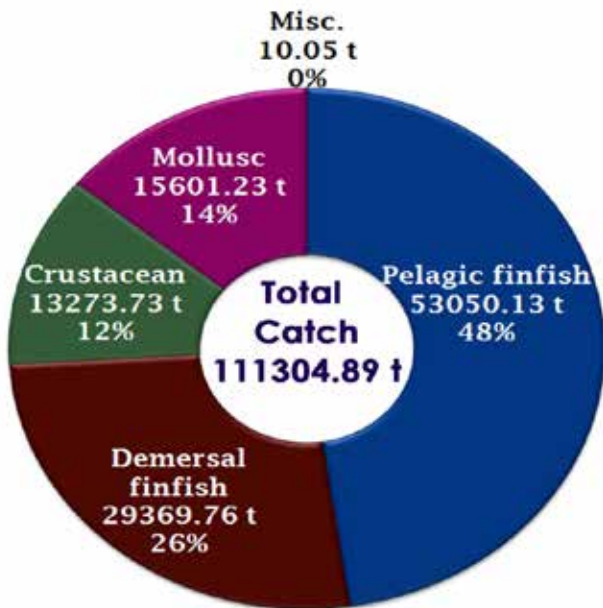


Fig. 1. Major fishery items landed during November 2020

Sl. No.	Common name	Scientific name	Quantity in tons
1	Ribbon fish	<i>Lepturacathus savala</i>	8765.53
2	Indian mackerel	<i>Rastrelliger kanagurta</i>	7699.95
3	Indian scad	<i>Decapterus russelli</i>	6143.84
4	Squid	<i>Loligo duvauceli</i>	4661.71
5	Pharaoh cuttlefish	<i>Sepia pharaonis</i>	4186.73

Table 1. Major fish species landed during November 2020

Considering various fishery items landed, in general, the top five contributors during the period were Scads, shrimps, Ribbon fishes, Squids and Indian mackerel which together formed 42% of the total catch (Fig. 2).

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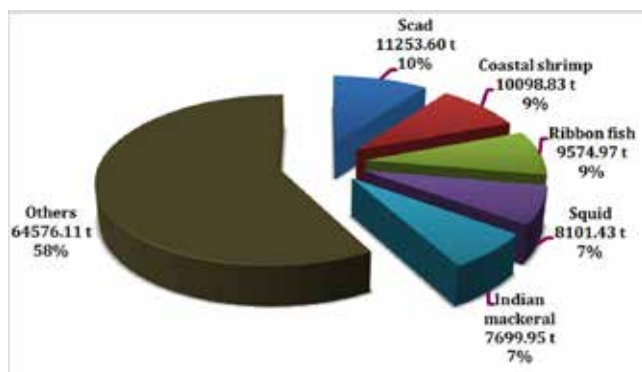


Fig. 2. Major fishery items landed during November 2020

Table 2 presents the quantity-wise catch of various categories of fishery items recorded during November 2020. Among the pelagic finfish resources, Scads, Ribbon fishes and Indian mackerel were the major contributors whereas among demersal finfishes, the major contributors were Croakers, Japanese Threadfin breams and Catfishes. The Crustacean catch mostly comprised various species of shrimps, among which the highest contributor was the *Karikkadi* shrimp. Squid was the major molluscan variety landed during the period.

Table 2. Category-wise landing of various fishery items during November 2020

Fishery item	Quantity	% of total catch
Pelagic Finfishes		
Scads	11253.60	10.11
Ribbon Fishes	9574.97	8.60
Indian Mackerel	7699.95	6.92
Tunas	4352.87	3.91
Lesser Sardines	4335.49	3.90
Anchovies	3905.84	3.51
Bombay Duck	3569.95	3.21
Seer Fishes	1704.25	1.53
Shads	1227.80	1.10
Trevallies	1043.75	0.94
White Fish	1015.12	0.91
Mahi Mahi	841.84	0.76
Barracudas	725.18	0.65
Herrings	294.80	0.26
Indian Salmon	233.50	0.21

Queenfishes	227.12	0.20
Sail Fishes	221.61	0.20
Mulletts	180.35	0.16
Marlins	142.74	0.13
Sword Fish	124.79	0.11
Needlefishes	114.87	0.10
Cobia	109.13	0.10
Flying fish	52.32	0.05
Halfbeaks	22.06	0.02
Silver Biddies	21.53	0.02
Sillago	13.72	0.01
Indian Threadfish	12.31	0.01
Sea Bass	12.16	0.01
Milk Fish	6.66	0.01
Pompano	5.14	0.00
Sickle Fish	3.20	0.00
Spade Fish	0.80	0.00
Wahoo	0.63	0.00
Whiting	0.10	0.00
Total	53050.13	47.66
Demersal Finfishes		
Croaker	6988.75	6.28
Japanese Threadfins Bream	3929.44	3.53
Catfish	2926.74	2.63
Lizard Fish	2719.14	2.44
Reef Cod	2498.17	2.24
Pomfret	2398.38	2.15
Triggerfish	1977.68	1.78
Bullseye	1456.21	1.31
Sole Fish	1122.51	1.01
Threadfins Bream	722.68	0.65
Moon Fish	461.15	0.41
Goatfish	328.09	0.29
Shark	289.56	0.26
Pony Fish	274.25	0.25
Snapper	251.14	0.23
Unicorn Leatherjacket	226.67	0.20
Rays	216.27	0.19
Eel	189.80	0.17
Rabbit Fish	120.71	0.11
Emperor Bream	60.82	0.05
Flat Head	49.46	0.04
Indian Threadfin	40.36	0.04

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Flat Fish	36.39	0.03
Sea Bream	31.81	0.03
Perch	26.87	0.02
Grunts	12.62	0.01
Parrot Fish	6.42	0.01
Grouper	5.37	0.00
Surgeonfish	2.02	0.00
Drift Fishes	0.30	0.00
Total	29369.76	26.39
Crustaceans		
Shrimp	10098.83	9.07
Deep-sea Shrimp	2160.16	1.94
Sea Crab	971.78	0.87
Lobster	39.24	0.04
Mud Crab	3.73	0.00
Total Crustacean	13273.73	11.93
Molluscs		
Squid	8101.43	7.28
Cuttlefish	6805.17	6.11
Octopus	667.03	0.60
Baigai	27.60	0.02
Total Molluscs	15601.23	14.02
Misc.		
Pearl Spot	6.80	0.01
Tilapia	3.25	0.00
Total	10.05	0.01
Grand Total	111304.89	100.00

Harbour-wise landings

The total fish catch reported from each of the selected harbours during the month are given in Table 3. Of the 97 harbours, the Veraval harbour in Gujarat recorded the maximum fish landing, to the tune of 11163.09 tons (10%).

It was followed by the New Ferry Wharf harbour in Maharashtra with 9641.99 tons (9%) and the Mangalore harbour in Karnataka with 7040.34 tons (6%). The least quantity of marine fish catch was reported from Kottaipattinam harbour in Tamil Nadu (3.36 tons).

Table 3. Harbour-wise catch quantity & boat arrivals reported during November 2020

Sl. No.	State	Harbour	Catch Landings (tons)	Boat Arrivals (nos.)
1	West Bengal	Petuaghat Deshpri	3084.46	939
2		Digha Sankarpur	2396.76	842
3		Namkhana	1994.15	496
4		Kakdwip	1056.25	522
5		Soula	902.15	301
6		Raidighi	891.96	303
7		Fraser Ganj	859.79	414
8	Odisha	Paradeep	1783.09	709
9		Balramgadi	895.89	401
10		Dhamara	779.75	293
11		Bahabalpur	544.07	170
12		Balugaon	151.50	541
13	Andhra Pradesh	Visakhapatnam	1897.31	585
14		Nizampatnam	675.69	180
15		Kakinada	484.85	248
16		Machilipatnam	349.79	155
17		Pudimadaka	176.25	321
18		Vodarevu	167.92	237
19	Tamil Nadu & Pondicherry	Karaikal	921.76	287
20		Yanam	186.63	120
21		Pondicherry	116.85	100
22		Chennai	2008.66	429
23		Nagapattinam	1448.39	429
24		Thengaipattinam	878.58	418
25		Colachel	800.45	514
26		Tharuvaikulam	752.35	261
27		Cuddalore	123.26	207
28		Pazhayar	109.64	232
29		Chinnamuttom	98.20	260
30		Poompuhar	87.15	286
31		Tuticorin	71.89	199

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32	Kerala	Mudasalodi	52.20	161	60	Karnataka	Mangalore	7040.34	1145
33		Rameswaram	47.54	112	61		Malpe	6198.85	1239
34		Mandapam	30.16	150	62		Honnavar	2413.42	449
35		Mallipatnam	16.53	161	63		Karwar	1638.60	427
36		Pulicat	15.56	306	64		Amdalli	1307.09	242
37		Jagathapathinam	10.88	113	65		Bhatkal	929.25	407
38		Kodiyakarai	9.85	184	66		Tadri	590.17	181
39		Kottaipatnam	3.36	31	67		Gangolli	541.69	488
					68		Belekeri	164.14	112
40	Kerala	Munambam	3338.36	982	69	Goa	Malim	1425.61	376
41		Beypore	1816.19	469	70		Cutbona	1046.54	204
42		Sakthikulangara	1415.78	835	71		Vasco	380.21	193
43		Thoppumpady Cochin	1245.43	488	72		Chapora	20.36	82
44		Kayamkulam	1072.26	403	73	Maharashtra	New Ferry Wharf	9641.99	1215
45		Neendakara	836.04	760	74		Sasoon Dock	3872.64	507
46		Vypin	754.23	183	75		Ratnagiri	2518.24	660
47		Chellanam	326.13	392	76		Harne	1700.49	1387
48		Puthiyappa	289.95	139	77		Arnala	1475.55	637
49		Koyilandi	246.38	183	78		Alibagh Koliwada	793.75	744
50		Cheruvathur	158.56	266	79		Uttan	596.47	217
51		Azheekkal	141.50	218	80		Versova	397.94	239
52		Mopla Bay	133.09	261	81		Sakharinate	352.90	344
53		Ponnani	117.46	182	82		Gujarat	Vasai	218.86
54		Thottappally	112.96	338	83	Satpati		211.55	295
55		Thangassery	95.68	201	84	Onni Bhatti Dabhol		199.16	452
56		Vaadi	56.51	230	85	Dahanu		182.45	543
57		Chettuva	48.21	64	86	Malvan		134.44	441
58		Munakkadavu	31.70	81	87	Taramumbai Devgad		81.48	501
59		Vizhinjam	25.22	370	88	Gujarat	Veraval	11163.09	2692
				89	Porbandar		4831.34	1232	
				90	Mangrol		3934.68	2371	
				91	Vanakbara		2574.48	1351	

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92		Jafrabad	1716.02	473
93		Okha	447.06	142
94		Kotada	420.72	188
95		Ghoghla	392.28	187
96		DIU	375.30	141
97		Chorwad	232.66	673

State-wise landings

The state of Gujarat recorded the highest marine landings during the month, which was to the tune of 26087.63 tons (23%) (Fig. 3). Maharashtra in the second position had contributed 22377.90 tons (20%) and it was followed by Karnataka with a total landing of 20823.55 tons (19%). The state which reported least landing during the period was Goa, with a contribution of 2872.72 tons (3%).

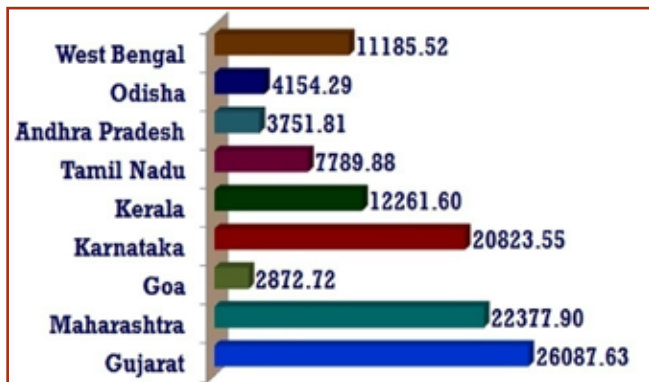


Fig. 3. State-wise Fish landings (in tons) during November 2020

Estimations on boat arrivals

A total of 43047 nos. of boat arrivals were recorded in November 2020 from the 97 harbours. State-wise figures for the month (fig. 4) shows that the highest number of boat arrivals had occurred in Gujarat and then followed by Maharashtra and Kerala. The harbour-wise details of boat arrivals are enlisted in the table 3. The highest recording was from Veraval harbour in Gujarat (2692 nos.), followed by Mangrol harbour with 2371 numbers of boat arrivals and Harne harbour with 1387 boats. The Kottaipattinam harbour in Tamil Nadu is the last in the list with only 31 nos. of boat arrivals.

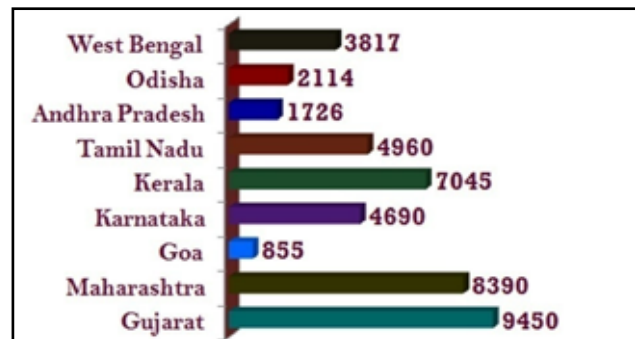


Fig. 4. State-wise Boat Arrivals (nos.) during November 2020

Summary

During November 2020, a total of 111304.89 tons of landings of marine fishery resources and 43047 nos. of boat arrivals were reported from 97 major fish landing sites of India. Pelagic finfishes were the major contributors to the landings and Scads were the most landed fishery item for the month. Gujarat had recorded the maximum landing during the period and the Veraval harbour in the state reported the highest fish landings as well as boat arrivals.

ESTIMATIONS ON FISH LANDINGS DECEMBER 2020

The landing of marine fishery items recorded from the 97 selected harbours during December 2020 totalled 97319.21 tons, of which the major contributor was pelagic finfish resources with a share of 47% (45634.36 tons). Demersal finfishes contributed 27121.03 tons (28%) to the total catch, 11038.84 tons (11%) by Crustaceans, 13432.67 tons (14%) by Molluscs and a meagre quantity of 92.31 tons by miscellaneous items (Fig.1).

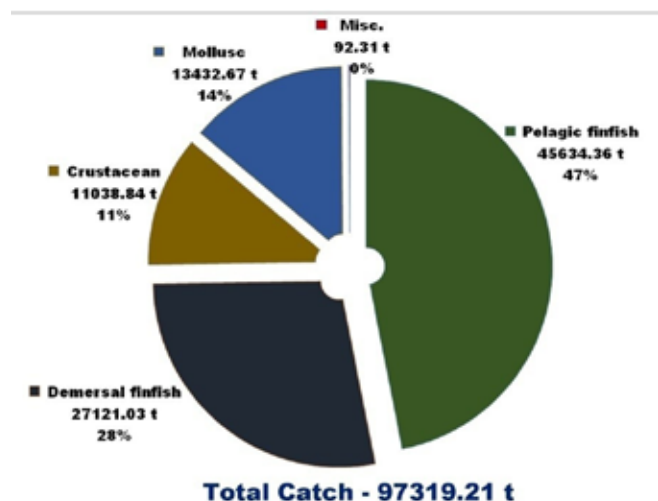


Fig. 1. Catch composition of marine landings recorded in December 2020

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The total catch comprised about 276 species of fishery items, among which the major five contributors were *Rastrelliger kanagurta* (Indian mackerel), *Lepturacanthus Spp* (Ribbon fish), *Loligo duvauceli* (Squid), *Sepia pharaonis* (Pharaoh cuttlefish) and *Johnius Spp* (Croaker) (Table 1).

Table 1. Major fish species landed during December 2020

Sl. No.	Common name	Scientific name	Quantity in tons
1	Indian mackerel	<i>Rastrelliger kanagurta</i>	9627.23
2	Ribbon fish	<i>Lepturacanthus Spp</i>	4060.81
3	Squid	<i>Loligo duvauceli</i>	3782.10
4	Pharaoh cuttlefish	<i>Sepia pharaonis</i>	3647.61
5	Croaker	<i>Johnius Spp</i>	3384.28

Considering various fishery items landed, in general, the top five contributors during the period were Indian Mackerel, shrimps, Croakers, Ribbon fishes and Squids which together formed 40% of the total catch (Fig. 2).

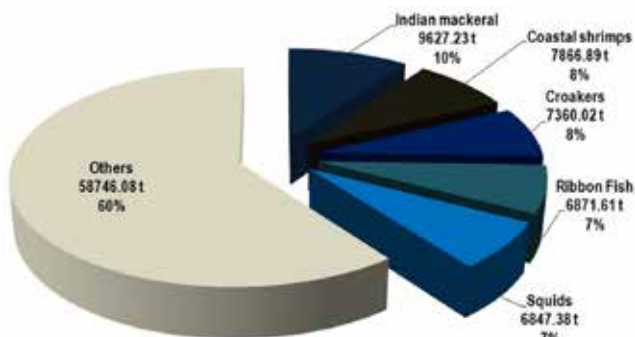


Fig. 2. Major fishery items landed during December 2020

Table 2 presents the quantity-wise catch of various categories of fishery items recorded during December 2020. Among the Pelagic finfish resources, Indian mackerel, Ribbon fish and Scads were the major contributors whereas among demersal finfishes, the major contributors were Croakers, Japanese Threadfin breams and Reef cods. More than 70% of the Crustacean catch comprised various species of shrimps, among which the highest contributor (25%) was the Karikkadi shrimp. Squid was the major molluscan variety landed during the period. A remarkable quantity of Jelly fish landing was observed during the second half of the

month, majority of which was at Sakthikulangara harbour in Kerala.

Table 2. Category-wise landing of various fishery items during December 2020

Fishery item	Quantity in tons	% of total catch
Pelagic Finfishes		
Indian mackerel	9627.23	9.89
Ribbon fish	6871.61	7.06
Scads	5229.05	5.37
Tunas	4798.22	4.93
Lesser Sardines	4321.11	4.44
Anchovies	3096.37	3.18
Bombay duck	2967.77	3.05
Seerfish	1579.04	1.62
Shads	1369.43	1.41
Indian oil sardine	1263.07	1.30
Mackerels	811.60	0.83
Dolphin fish	749.05	0.77
Barracudas	558.01	0.57
Trevally	477.18	0.49
Queenfish	296.59	0.30
Herrings	270.51	0.28
Sail fish	267.22	0.27
Mulletts	222.96	0.23
Indian Salmon	199.68	0.21
Sword fish	174.87	0.18
Needlefish	127.27	0.13
Marlins	123.10	0.13
Cobia	116.06	0.12
Flying fish	85.30	0.09
Halfbeaks	10.93	0.01
Seabass	10.45	0.01
Pompano	5.44	0.01
Milk fish	4.72	0.00
Wahoo	0.58	0.00
Total	45634.36	46.89
Demersal finfish		
Croakers	7360.02	7.56
Japanese Threadfins bream	3240.08	3.33

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Reef cods	2856.15	2.93
Catfishes	2469.38	2.54
Lizard Fish	2192.59	2.25
Pomfrets	1733.90	1.78
Sole fishes	1267.69	1.30
Bulls eye	971.82	1.00
Threadfins Breams	745.87	0.77
Triggerfish	604.66	0.62
Leatherjacket	578.59	0.59
Moon Fish	532.34	0.55
Goat fishes	471.22	0.48
Ponyfishes	374.32	0.38
Shark	277.59	0.29
Eels	240.92	0.25
Rabbit Fish	188.14	0.19
White fish	178.60	0.18
Flat head	175.44	0.18
Snappers	170.29	0.17
Rays	166.04	0.17
Threadfins	96.43	0.10
Emperor Breams	55.53	0.06
Silverbellies	53.43	0.05
Perches	21.23	0.02
Halibut	20.14	0.02
Whiting	15.60	0.02
Sweet Lip	14.52	0.01
Sea Breams	13.83	0.01
Surgeonfish	10.61	0.01
Groupers	8.54	0.01
Sickle Fish	4.98	0.01
Parrot fish	3.94	0.00
Grunts	3.85	0.00
Spade Fish	1.45	0.00
Jobfish	0.99	0.00
Mudskipper	0.30	0.00
Total	27121.03	27.87
Crustaceans		
shrimp	7866.89	8.08
Deep sea shrimp	2166.68	2.23
Sea carb	955.75	0.98
Lobsters	37.87	0.04

Mud crab	11.65	0.01
Total Crustaceans	11038.84	11.34
Molluscs		
Squid	6847.38	7.04
Cuttlefish	5943.55	6.11
Octopus	588.37	0.60
Baigai	53.38	0.05
Total Molluscs	13432.67	13.80
Miscellaneous		
Jellyfish	83.25	0.09
Pearl Spot	7.43	0.01
Moon Jellyfish	1.42	0.00
Tilapia	0.21	0.00
Total	92.31	0.09
Grand Total	97319.21	100.00

Harbour-wise landings

The total fish catch reported from each of the selected harbours during the month are given in Table 3. Of the 97 harbours, the New Ferry Wharf harbour in Maharashtra recorded the maximum fish landing, which was to the tune of 10353.98 tons (11%) and it was followed by the Veraval harbour in Gujarat with 9083.70 tons (9%) and the Porbandar harbour in Gujarat with 6589.58 tons (7%). The least quantity of marine fish catch was reported from Kottaipattinam harbour in Tamil Nadu (8.36 tons).

Sl. No.	State	Harbour	Catch Landings (tons)	Boat Arrivals (nos.)
1	West Bengal	Petuaghat Deshpran	2748.00	841
2		Digha Sankarpur	1904.25	743
3		Namkhana	1499.52	430
4		Raidighi	1031.60	325
5		Fraser Ganj	799.92	400
6		Kakdwip	661.96	394
7		Soula	652.31	234
8		Balramgadi	1012.41	391
9		Paradeep	919.33	323

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10	Odisha	Dhamara	682.66	238	38		Jagathapathinam	12.73	118
11		Bahabalpur	561.96	179	39		Kottaipatnam	8.36	81
12		Balugaon	150.19	581	40		Kerala	Thoppumpady Cochin	2426.35
13	Andhra Pradesh	Visakhapatnam	1624.27	572	41	Sakthikulangara		1596.29	1109
14		Nizampatnam	641.06	167	42	Munambam		1055.73	736
15		Kakinada	510.03	277	43	Beypore		1032.17	372
16		Machilipatnam	314.49	152	44	Neendakara		764.47	557
17		Vodarevu	290.09	287	45	Kayamkulam		390.21	283
18		Yanam	227.15	185	46	Vypin		257.66	141
19		Pudimadaka	206.91	302	47	Puthiyappa		249.76	123
20	Tamil Nadu & Puducherry	Chennai	2926.07	630	48	Azheekkal		235.71	267
21		Nagapattinam	1248.87	435	49	Chellanam		225.77	499
22		Karaikal	783.90	258	50	Koyilandi		175.96	176
23		Colachel	429.30	203	51	Cheruvathur		117.92	280
24		Thengaipattinam	399.39	345	52	Mopla Bay		101.71	287
25		Tharuvaikulam	390.74	183	53	Thottappally		96.82	267
26		Pondicherry	256.28	182	54	Thangassery		64.54	172
27		Pazhayar	181.02	317	55	Ponnani		57.40	152
28		Cuddalore	150.52	431	56	Munakkadavu	50.33	159	
29		Tuticorin	101.40	275	57	Vizhinjam	41.30	394	
30		Poompuhar	87.39	350	58	Vaadi	30.37	268	
31		Mudasalodi	87.05	238	59	Chettuva	24.27	64	
32		Chinnamuttom	85.50	316	60	Karnataka	Mangalore	5690.04	1218
33		Mandapam	35.21	155	61		Malpe	3628.66	1100
34	Kodiyakarai	31.15	286	62	Karwar		689.52	370	
35	Rameswaram	28.07	99	63	Honnavar		645.32	200	
36	Mallipattinam	26.12	189	64	Gangolli		410.64	504	
37	Pulicat	24.63	511						

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65		Bhatkal	335.16	303
66		Amdalli	301.16	182
67		Tadri	238.77	168
68		Belekeri	173.43	121
69	Goa	Malim	1926.08	406
70		Cutbona	907.57	261
71		Vasco	404.76	246
72		Chapora	17.92	123
73	Maharashtra	New Ferry Wharf	10353.98	1243
74		Ratnagiri	3189.18	757
75		Sasoon Dock	2111.78	591
76		Harne	1261.15	1259
77		Arnala	920.37	245
78		Sakharinate	716.25	308
79		Uttan	531.20	181
80		Satpati	454.10	325
81		Alibagh Koliwada	384.74	483
82		Versova	221.39	218
83		Onni Bhatti Dabhol	163.56	386
84		Vasai	158.96	122
85		Dahanu	133.58	425
86		Malvan	112.96	428
87		Taramumbai Devgad	92.47	440
88	Gujarat	Veraval	9083.70	2856
89		Porbandar	6589.58	1975
90		Okha	3890.92	1432
91		Mangrol	3337.68	2356

92		Vanakbara	3202.98	1364
93		Jafrabad	1658.59	489
94		Kotada	337.98	132
95		Chorwad	291.58	792
96		Ghoghla	13.20	7
97		DIU	11.80	6

State-wise landings

The state of Gujarat recorded the highest marine landings during the month, to the tune of 28418.03 tons (29%) (Fig. 3). Maharashtra in the second position had contributed 20805.67 tons (21%) and it was followed by Karnataka with a total landing of 12112.70 tons (12%). The state which reported least landing during the period was Goa, with a contribution of 3256.33 tons (3%).

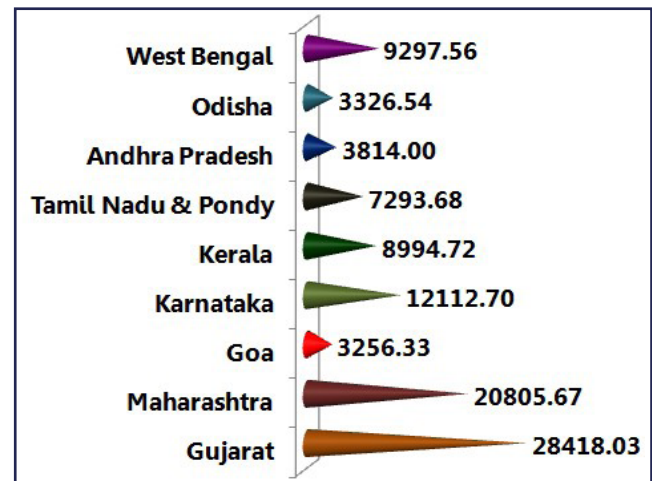


Fig.3. State-wise fish landings (in tons) during December 2020

Estimations on boat arrivals

A total of 43439 nos. of boat arrivals were recorded in December 2020 from the 97 harbours. State-wise figures for the month (fig. 4) shows that the highest number of boat arrivals occurred in Gujarat, followed by Maharashtra and Kerala.

The harbour-wise details of boat arrivals are enlisted in the table 3. The highest recording was from Veraval harbour in Gujarat (2856 nos.) and it was followed by Mangrol harbour with 2356 numbers of boat arrivals and Porbandar harbour with 1975 boats. The Diu harbour in Gujarat is the last in the list with only 6 nos. of boat arrivals.

FOCUS AREA

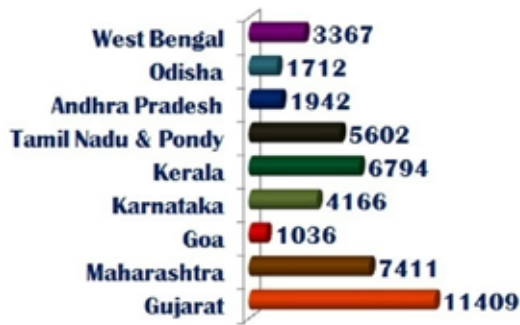


Fig. 4. State-wise boat arrivals (nos.) during December 2020

Summary

In December 2020, a total of 97319.21 tons of landings of marine fishery resources and 43439 nos. of boat arrivals were reported from 97 major fish landing sites of India.

Pelagic finfishes were the major contributors to the landings and Indian mackerel was the most landed fishery item for the month. Gujarat had recorded the maximum landing during the period and the Veraval harbour in the state reported the highest fish landings as well as boat arrivals.



Spreading Awareness on Conservation & Identification of Vulnerable Marine Species

MPEDA's Sub-Regional Division in Tuticorin organized an online capacity building training programme on conservation and identification of vulnerable & endangered species as per the IUCN and CITES lists on 26th November 2020.

Mrs. Anju, Assistant Director, SRD Tuticorin, MPEDA, welcomed the participants to the webinar, which was attended by 19 exporters.

Dr. Ranjith Lakshmanan, Scientist, CMFRI, Tuticorin gave a detailed presentation on marine conservation, IUCN & CITES listed species pertaining to the marine sector. Listing out the endangered, vulnerable or extinct species under CITES/Wildlife Act and IUCN, he explained the penal action for trade/procurement of banned marine species.

He also shared the links to the websites with information on the listing of marine species under various categories. The queries raised by the exporters were clarified and the meeting concluded with a vote of thanks by Mrs. Anju, Assistant Director, MPEDA.

