

Highlights of marine fish landings and boat arrivals at selected harbours of India in May 2021

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As part of the MPEDA's Catch Certification system, recording of daily boat arrivals and marine catch landings happening at selected major harbours/landing centres in the 9 coastal states of India is being done by NETFISH.

The Harbour Data Collectors of NETFISH record the number of boat arrivals and the quantity of various fishery items landed at their respective harbours. This report highlights on the species wise, harbour wise and state wise trend of marine landings during May 2021, based on the landings from 70 major landing sites.

I. ESTIMATION OF FISH LANDINGS

In the month of May 2021 a total quantity of 18122.23 tonnes of marine catch landings were registered from the 70 selected landing sites. The total catch was comprised of 8741.82 tonnes (48%) of Pelagic finfish resources, 5528.72 tonnes (31%) of Demersal finfishes, 1978.01 tonnes (11%) of Molluscs and 1873.69 tonnes (10%) of Crustaceans (Fig.1).

The marine landing recorded during the month was composed of about 215 species of marine fishery items. The top five contributing species were *Harpadon nehereus* (Bombay duck), *Rastrelliger kanagurta* (Indian mackerel), *Nemipterus japonicus* (Japanese thread fin bream), *Saurida tumbil* (Greater lizardfish) and *Trichiurus spp* (Ribbon fish) (Table 1).

Table 1. Major fish species landed during May 2021

Sl. No:	Common name	Scientific name	Qty. in tonnes
1	Bombay duck	<i>Harpadon nehereus</i>	1658.33
2	Indian mackerel	<i>Rastrelliger kanagurta</i>	1620.35
3	Japanese thread fin bream	<i>Nemipterus japonicus</i>	1252.66
4	Greater lizardfish	<i>Saurida tumbil</i>	690.97
5	Ribbon Fish	<i>Trichiurus spp</i>	536.23

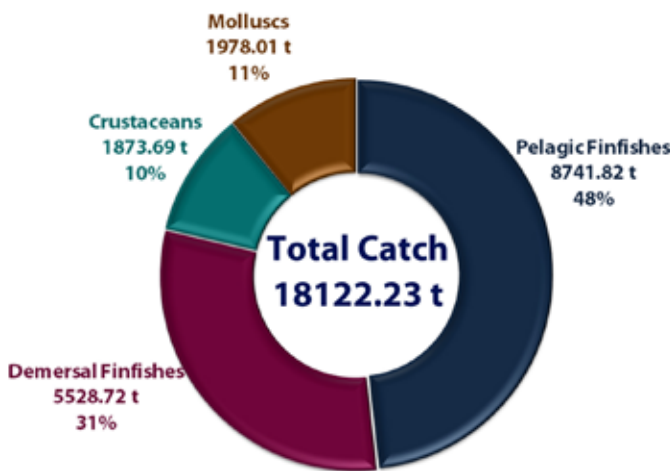


Fig. 1. Catch composition of marine landings recorded in May 2021

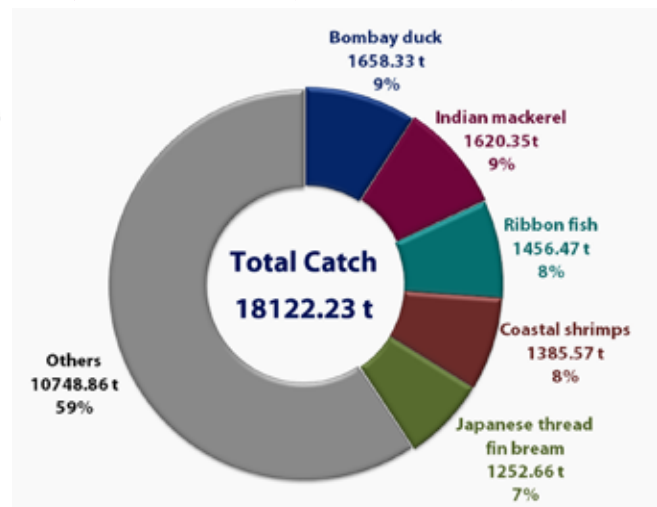


Fig. 2 Major fishery items landed during May 2021

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On analysing the group-wise landings, it was observed that the major five items landed during the month were Bombay duck, Indian Mackerel, Ribbon fishes, Coastal shrimps and Japanese Threadfin bream, which together formed 41 % of the total catch (Fig 2).

Total catch quantity of various categories of fishery items recorded during May 2021 is enlisted in Table 2. Among the Pelagic finfish resources, Bombay duck, Indian mackerel and Ribbon fishes were the major contributors with each having a landing of more than 1400 tonnes. Japanese Threadfin breams and Lizard fishes were the most landed items among the Demersal finfishes, each contributing more than 1000 tonnes. About 74 % of the Crustacean catch was comprised of different species of Coastal shrimps of which the *Karikkadi* shrimp was the most landed species with a share of 401.03 tonnes. In the case of the Molluscs, 60% of the share was of squids and 33 % was of cuttle fishes.

Table 2. Category- wise landing of various fishery items during May 2021

FISHERY ITEM	QTY.IN TONNES	% OF TOTAL CATCH
Pelagic Finfishes		
Bombay duck	1658.33	9.15
Indian mackerel	1620.35	8.94
Ribbonfish	1456.47	8.04
Tunas	979.87	5.41
Scads	835.80	4.61
Anchovies	589.11	3.25
Lesser sardines	432.59	2.39
Seerfish	241.12	1.33
Trevally	171.52	0.95
Indian oil sardine	126.95	0.70

Flying fish	108.44	0.60
Barracudas	87.85	0.48
Sail fish	76.95	0.42
Mahi mahi	73.71	0.41
Herrings	67.21	0.37
Shads	60.10	0.33
Mackerel	36.32	0.20
Needle fish	31.00	0.17
Marlins	21.21	0.12
Mulletts	15.76	0.09
Indian Salmon	13.60	0.08
Queenfish	13.24	0.07
Cobia	13.08	0.07
Milk fish	7.27	0.04
Halfbeaks	3.99	0.02
<i>Total pelagics</i>	<i>8741.82</i>	<i>48.24</i>
Demersal finfishes		
Japanese thread fin bream	1252.66	6.91
Lizard fish	1075.37	5.93
Croakers	909.33	5.02
Sea Catfishes	562.86	3.11
Reef cods	310.45	1.71
Sole fish	288.84	1.59

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Sea breams	249.99	1.38
Bullseye	213.96	1.18
Pomfrets	154.00	0.85
Unicorn leatherjacket	89.76	0.50
Sharks	73.34	0.40
White fish	51.03	0.28
Moon fish	50.51	0.28
Triggerfishes	49.44	0.27
Snappers	45.14	0.25
Goat fish	41.32	0.23
Eels	26.84	0.15
Rays	17.54	0.10
Emperor breams	15.94	0.09
Flat head	14.61	0.08
Indian Threadfin	10.46	0.06
Ponyfish	7.23	0.04
Job fish	5.50	0.03
Silver Biddies	4.50	0.02
Perch	2.60	0.01
Groupers	2.01	0.01
Indian Threadfish	1.63	0.01
Whitings	0.95	0.01
Halibut	0.46	0.00

Surgeon fish	0.15	0.00
Parrot fish	0.13	0.00
Rabbit fish	0.10	0.00
Pompano	0.09	0.00
<i>Total demersal</i>	<i>5528.72</i>	<i>30.51</i>
Crustaceans		
Coastal shrimps	1385.57	7.65
Deep sea shrimps	333.20	1.84
Crabs	141.03	0.78
Lobsters	13.89	0.08
<i>Total Crustaceans</i>	<i>1873.69</i>	<i>10.34</i>
Molluscs		
Squids	1184.24	6.53
Cuttle fish	648.30	3.58
Baigai	74.71	0.41
Octopus	70.76	0.39
<i>Total Molluscs</i>	<i>1978.01</i>	<i>10.91</i>
TOTAL CATCH	18122.23	100.00

State-wise landings: Considering the state-wise total catch quantity, it was found that the highest marine catch landings occurred during May 2021 was in Gujarat state, with a share of 7307.85 tonnes (40%) (Fig.3). Maharashtra with a contribution of 5046.05 tonnes (28%) stood in the second position and Karnataka held the third position with a total landing of 2084.11 tonnes (12%). The least marine landing during the month was observed in Andhra Pradesh, with a meagre quantity of 16.91 tonnes of catch. No catch was reported from the selected harbours of West Bengal during the period.

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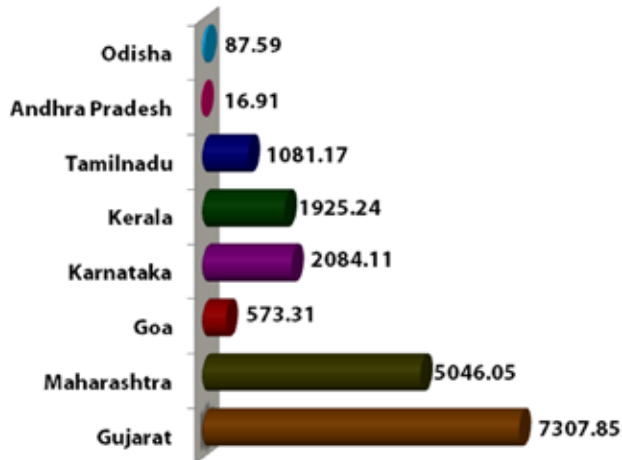


Fig.3 State- wise fish landings (in tonnes) during May 2021

Harbour-wise landings: The total marine landing reported from each harbour is given in Table 3. Among the 70 harbours, Veraval harbour in Gujarat recorded the maximum fish landing, which was to the tune of 2396.46 tonnes (13%) and it was followed by Malpe and Porbandar harbours with 1713.73 tonnes (10%) and 1639.29 tonnes (9%) respectively. The least landing was reported from Tadri harbour in Karnataka (0.33 tonnes).

Table 3. Harbour-wise catch quantity & boat arrivals during May 2021

S.No	State	Harbour	Catch Quantity (tonnes)	Boat arrivals (nos.)
1	Andhra Pradesh	Visakhapatnam	10.03	247
2		Pudimadaka	6.88	107
3	Goa	Malim	335.13	132
4		Cutbona	145.81	66
5		Vasco	75.82	79
6		Chapora	16.55	123
7	Gujarat	Veraval	2396.46	1661
8		Porbandar	1639.29	1009
9		Jafrabad	1308.47	381
10		Mangrol	873.96	718
11		Okha	860.52	440

12	Karnataka	Vanakbara	112.12	77
13		Chorwad	89.94	423
14		Kotada	27.10	14
15		Malpe	1713.73	621
16		Mangalore	254.38	193
17		Bhatkal	43.70	100
18		Gangolli	34.89	72
19		Karwar	27.64	36
20		Honnar	8.78	13
21		Amdalli	0.66	7
22	Tadri	0.33	2	
23	Kerala	Thoppumpady Cochin	888.03	321
24		Munambam	320.04	165
25		Sakthikulangara	251.36	222
26		Kayamkulam	136.09	81
27		Beyyore	92.89	97
28		Neendakara	56.18	66
29		Azheekkal	29.05	52
30		Thottappally	24.60	42
31		Vypin	23.98	13
32		Ponnani	18.31	56
33		Cheruvathur	16.20	69
34		Thangassery	14.79	31
35		Chellanam	13.38	39
36		Vizhinjam	11.56	158
37		Puthiyappa	11.42	25
38		Mopla Bay	7.92	61
39		Koyilandi	5.03	50
40		Vaadi	3.55	33
41	Chettuva	0.87	5	

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42	Maharashtra	New Ferry Wharf	1481.68	305
43		Ratnagiri	906.12	279
44		Arnala	876.81	263
45		Sasoon Dock	716.39	317
46		Harne	257.98	516
47		Sakharinate	196.20	172
48		Alibagh Koliwada	102.20	295
49		Malvan	94.18	224
50		Uttan	91.39	52
51		Versova	84.81	102
52		Satpati	65.78	89
53		Taramumbari Devgad	58.99	351
54		Onni Bhatti Dabhol	42.12	108
55		Vasai	38.80	81
56		Dahanu	32.61	152
57		Odisha	Balugaon	87.59
58	Tamilnadu	Colachel	554.37	232
59		Thengaipattinam	411.86	270
60		Tharuvaikulam	24.35	70
61		Chennai	23.89	308
62		Pazhayar	15.07	132
63		Nagapattinam	13.26	122
64		Cuddalore	8.94	120
65		Poompuhar	7.49	110
66		Karaikal	5.27	90
67		Chinnamuttom	5.05	186
68		Pulicat	4.29	56
69		Mallipattinam	3.77	61
70		Kodiyakarai	3.57	89
TOTAL		18122.23	13576	

II. ESTIMATION OF BOAT ARRIVALS

A total of 13576 nos. of boat arrivals were recorded from the 70 harbours during May 2021. State wise figures (fig. 4) show that the highest number of boat arrivals had occurred in Gujarat (35 %) and then in Maharashtra (24 %) and Tamilnadu (14 %). The harbour wise details of boat arrivals are given in table 3 above. The highest recording was from Veraval (1661 nos.), Porbandar (1009 nos.) and Mangrol (718 nos.) harbours in Gujarat. The Tadri harbour in Karnataka had the least number of boat arrivals.

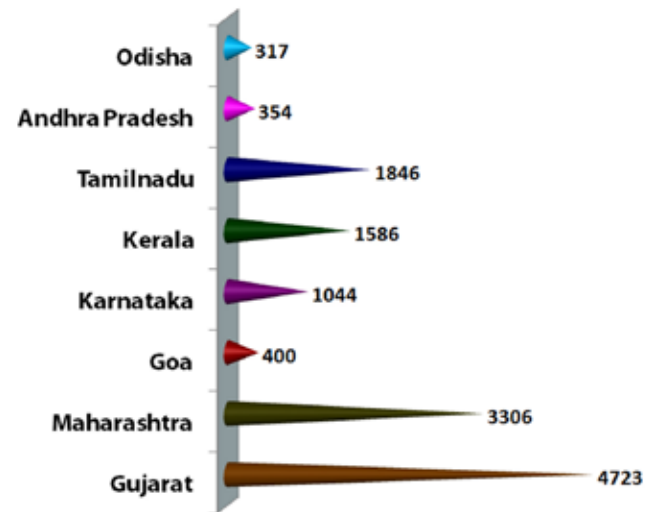


Fig.4 State- wise boat arrivals (nos.) during May 2021

Summary: In May 2021, a total of 18,122.23 tonnes of marine catch landings and 13,576 nos. of boat arrivals were reported from the 70 major fish landing sites of India. The total catch has shown a decrease by around 21,120 tonnes, when compared to that of April 2021 and the number of boat arrivals has decreased by around 14,171 numbers.

The reduction in catch quantity and boat arrivals during the period can be attributed to the monsoon fishing ban in the East Coast, adverse weather conditions and Covid-19 lockdown. Pelagic finfish continued to be the major contributor to the total landings and the Bombay duck attained the 1st position among the most landed fish species for the month pushing Indian mackerel to the second position.

As in previous months, the state of Gujarat continued in the first position among the states in terms of total catch landed and the Veraval harbour took over the prime position among the harbours. In the case of number of boat arrivals, Gujarat state and Veraval harbour maintained its first position.

