

# Marine Fish Landings in India 2018

*"Surveying more than 1200 fish landing centres  
and shoring up the livelihoods of million  
marine fishermen annually"*



**ICAR-Central Marine Fisheries Research Institute**  
(Department of Agricultural Research and Education, Government of India)  
P.B. No. 1603, Ernakulam North P.O., Kochi - 682 018



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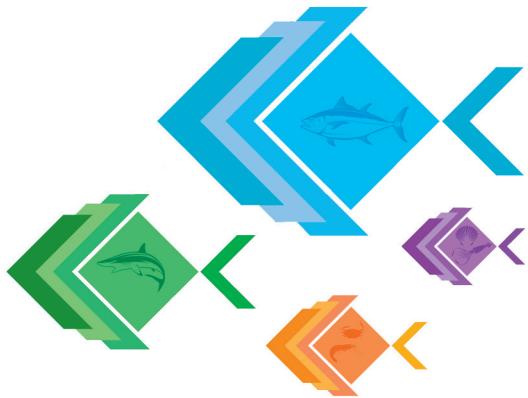
**Abhilash P. R.**

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*The estimates provided here are the data product of CMFRI based on stratified multistage random sampling design and may have to be reused with due citation credentials.*



# Marine Fish Landings in India **2018**



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## Indian Marine Fisheries in 2018 at a Glance

1

Total marine fish landings along the coast of mainland of India for the year 2018 is estimated at 3.49 million tonnes showing a decline of about 3.47 lakh tonnes (9%) compared to 3.83 million tonnes in 2017.

2

Among the nine maritime states, Gujarat remained in the first position with landings of 7.80 lakh tonnes followed by Tamil Nadu with 7.02 lakh tonnes.

3

Indian oil sardine, the topmost contributor to the India's marine fish basket recorded the sharpest fall of 54%, plummeting to ninth position in 2018 from its first position in 2017.

4

Indian mackerel became the topmost resource with a contribution of 2.84 lakh tonnes towards the total landings (8.1%).

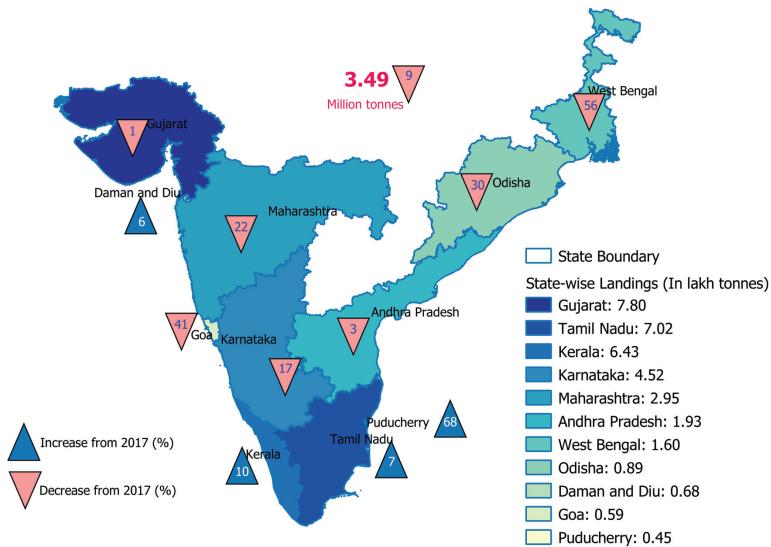
5

Sustained bumper landings of Red toothed triggerfish (*Odonus niger*) were observed in the west coast since August 2018.

6

There was a considerable reduction in the number of fishing days in West Bengal, Odisha, Andhra Pradesh, Tamil Nadu and Puducherry due to cyclonic storms *Titli*, *Gaja* and *Phethai*.

As per the report published by the Food and Agriculture Organization of the United Nations in 2018, India stands at sixth position in marine fish production after China, Indonesia, USA, Russia and Peru with 4.5% contribution. In India, the marine fisheries sector provides employment to nearly two million fishermen. The country earns more than ₹ 45,000 crore by export of marine products to more than 100 countries, mainly to USA, South East Asia and European Union. The mainland of India comprises nine maritime states and two union territories. Strategies for sustainable management of the marine fishery resources are derived through scientific data collection related to marine fisheries and its prompt analysis. The quantity estimated for different species of marine finfish and shellfish resources commercially harvested annually from the Indian EEZ, is a part of the scientific data collected by the ICAR - Central Marine Fisheries Research Institute (CMFRI) for monitoring the marine fishery resources as one of its major mandates. This information is collected online from landing centres and fishery harbours by following a statistically sound scientific data collection system developed by CMFRI and centrally processed at its headquarters to arrive at resource-wise landings estimates every year.



The estimate of marine fish landings along the coast of mainland of India for the year 2018 arrived at CMFRI is 3.49 million tonnes showing a decline of about 3.47 lakh tonnes (9%) compared to 3.83 million tonnes in 2017.

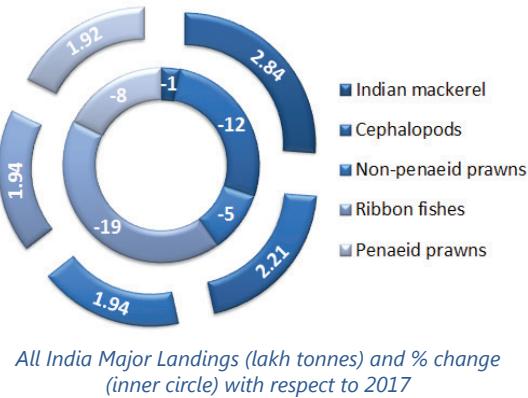
## Estimated marine fish landings (tonnes) in India 2018

<b>Pelagic finfish</b>		<b>Demersal finfish</b>	
<b>CLUPEOIDS</b>		<b>ELASMOBRANCHS</b>	
Wolf herring	14406	Sharks	21154
Oil sardine	155450	Skates/Guitarfish	3740
Lesser sardines	181383	Rays	17223
Hilsa shad	20180	Eels	11797
Other shads	6882	Catfishes	54168
Anchovies		Lizard Fishes	69936
Coilia	40140	<b>PERCHES</b>	
Setipinna	7990	Rock cods	51433
Stolephorus	72792	Snappers	11668
Thryssa	52822	Pig-face breams	11985
Other clupeids	52784	Threadfin breams	183518
Bombay duck	112705	Bullseyes	58345
Half Beaks&Full Beaks	7005	Other perches	50568
Flying Fishes	2029	Goatfishes	18915
Ribbon Fishes	193822	Threadfins	7992
<b>CARANGIDS</b>		Croakers	135451
Horse Mackerel	49010	Silverbellies	78261
Scads	130284	Whitefish	7686
Leather-jackets	13947	<b>POMFRETS</b>	
Other carangids	126755	Black pomfret	15162
<b>MACKERELS</b>		Silver pomfret	20966
Indian mackerel	283896	Chinese pomfret	5051
Other mackerels	2160	<b>FLAT FISHES</b>	
<b>SEER FISHES</b>		Halibut	1786
<i>Scomberomorus commerson</i>	29219	Flounders	81
<i>Scomberomorus guttatus</i>	15585	Soles	49142
<i>Acanthocybium solandri</i>	381	<b>Crustaceans</b>	
<b>TUNNIES</b>		Penaeid prawns	192154
<i>Euthynnus affinis</i>	32744	Non-penaeid prawns	194011
<i>Auxis</i> spp.	16042	Lobsters	2224
<i>Katsuwonus pelamis</i>	23147	Crabs	57354
<i>Thunnus tonggol</i>	7678	Stomatopods	9636
<i>Thunnus albacares</i>	27198	<b>Molluscs</b>	
Other tunnies	2910	Mussels, Oysters & Clams <sup>#</sup>	132531
Bill Fishes	16382	Bivalves	2782
Barracudas	46370	Gastropods	2773
Mullets	5675	Cephalopods	
Unicorn Cod	84	Squids	119299
<b>Others</b>		Cuttlefish	85655
Seaweeds <sup>#</sup>	15930	Octopus	15890
<i>Odonus niger</i>	72140	<b>TOTAL</b>	<b>3636075</b>
MISCELLANEOUS	97811		

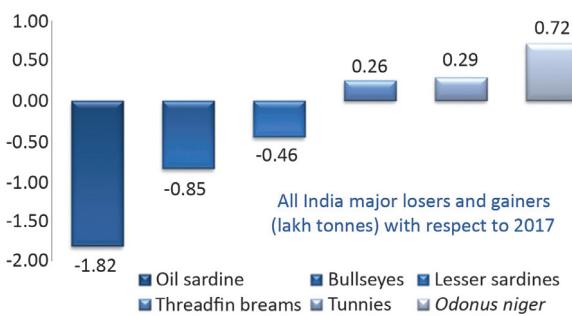
<sup>#</sup>The estimates are based on an alternate method and are excluded from the comparisons made. The comparisons are based on **3487614** tonnes ( $3636075 - 15930 - 132531 = 3487614$ )

Among the nine maritime states, Gujarat remained in the first position with 7.80 lakh tonnes landings (22.4%) followed by Tamil Nadu with 7.02 lakh tonnes (20.1%), Kerala with 6.43 lakh tonnes (18.4%), Karnataka with 4.52 lakh tonnes (13.0%), Maharashtra with 2.95 lakh tonnes (8.5%), Andhra Pradesh with 1.94 lakh tonnes (5.5%), West Bengal with 1.60 lakh tonnes (4.6%), Odisha with 0.89 lakh tonnes (2.6%), Daman & Diu with 0.68 lakh tonnes (2.0%), Goa with 0.59 lakh tonnes (1.7%) and Puducherry with 0.45 lakh tonnes (1.3%). Compared to the landings in 2017 there is reduction in the landings in West Bengal (56%), Goa (41%), Odisha (30%), Maharashtra (22%), Karnataka (17%), Andhra Pradesh (3%) and Gujarat (1%) whereas Puducherry, Kerala, Tamil Nadu, and Daman & Diu recorded increase in landings (68%, 10%, 7% and 6% respectively).

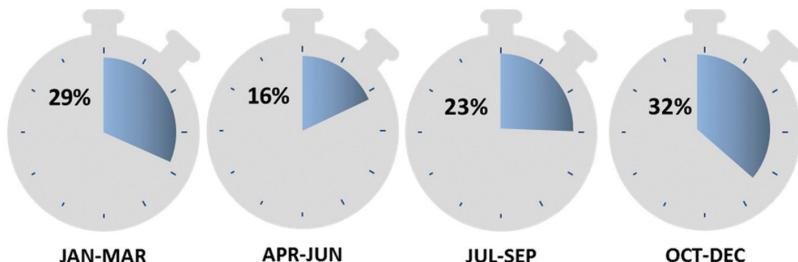
In 2018, Indian mackerel (*Rastrelliger kanagurta*) became the major resource with a contribution of 2.84 lakh tonnes towards the total landings (8.1%) though the landings of this resource reduced by 1.4% compared to its landings in 2017. Oil sardine (*Sardinella longiceps*) fell down to 9<sup>th</sup> position in 2018 from its first position in 2017 with huge reduction (54%) in its landings, that is to 1.55 lakh tonnes from 3.37 lakh tonnes in 2017. Other major contributions were from cephalopods



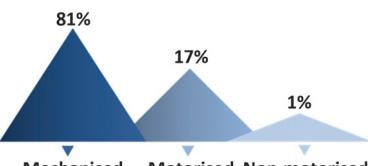
All India Major Landings (lakh tonnes) and % change (inner circle) with respect to 2017



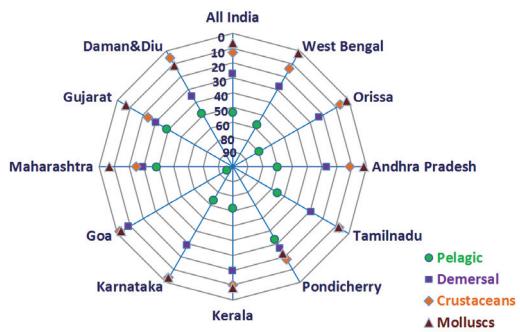
with 2.21 lakh tonnes (6.3% of total), non-penaeid prawns with 1.94 lakh tonnes (5.6%), ribbon fish with 1.94 lakh tonnes (5.6%), penaeid prawns with 1.92 lakh tonnes (5.5%) and threadfin breams with 1.84 lakh tonnes (5.3%).



Maximum landings took place during the period October - December with 1.13 million tonnes, followed by 1.00 million tonnes during January - March, 0.81 million tonnes during July - September and 0.54 million tonnes during April - June. Among the three sectors, a major portion of the harvest was by the mechanised vessels contributing 2.84 million tonnes of the total landings in 2018. The contribution by motorised vessels was 0.61 million tonnes and the harvest by non-motorised country crafts was only 0.04 million tonnes.



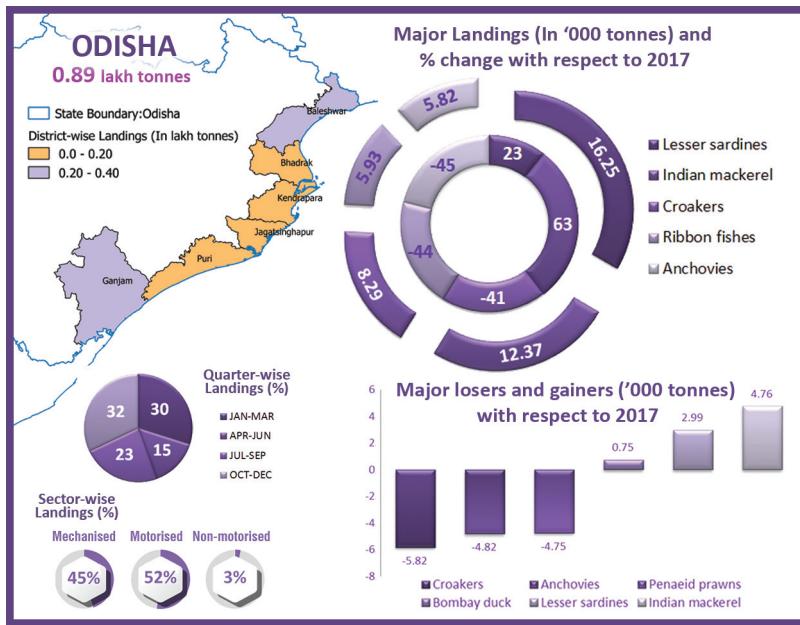
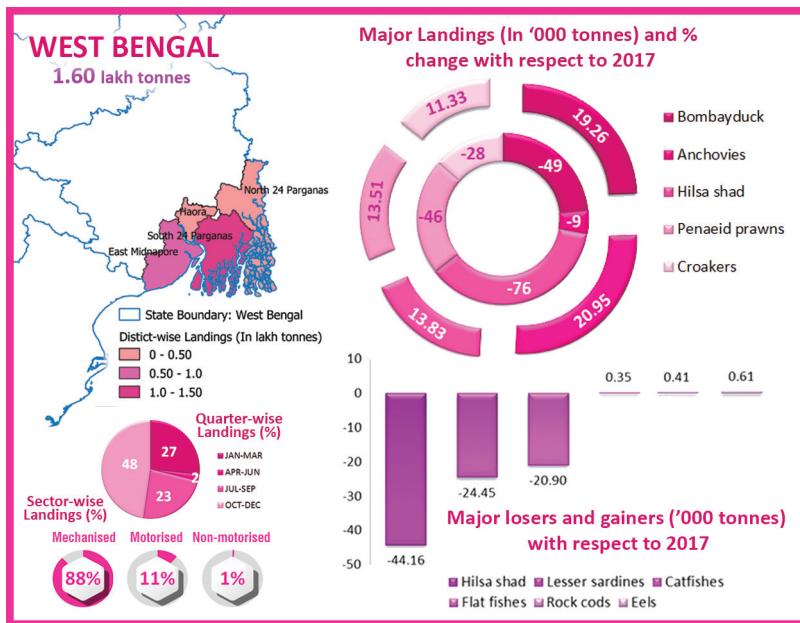
#### Species assemblage (%)



Region-wise contribution towards total landings in 2018 were Northeast 0.25 million tonnes (7.1%), Southeast 0.94 million tonnes (27.0%), Southwest 1.15 million tonnes (33.1%) and Northwest 1.14 million tonnes (32.8%). In all the regions there were decrease in landings

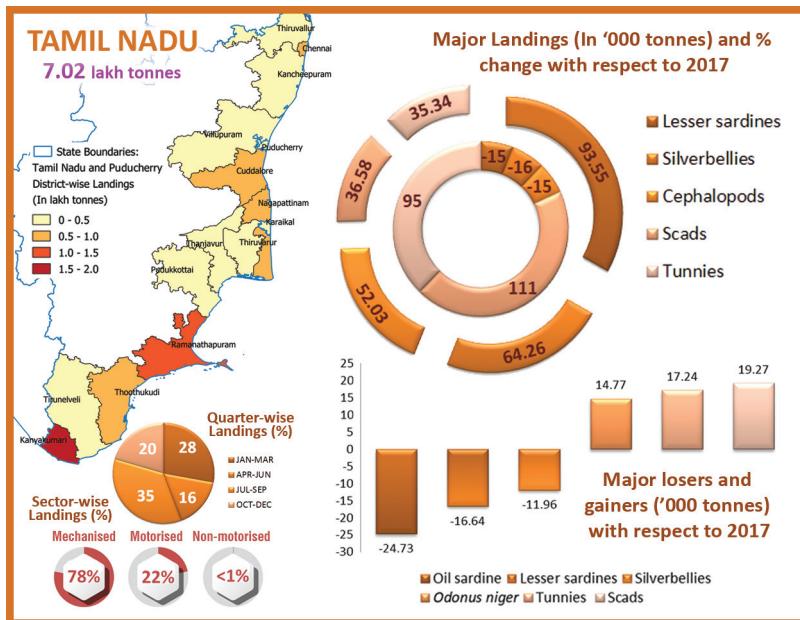
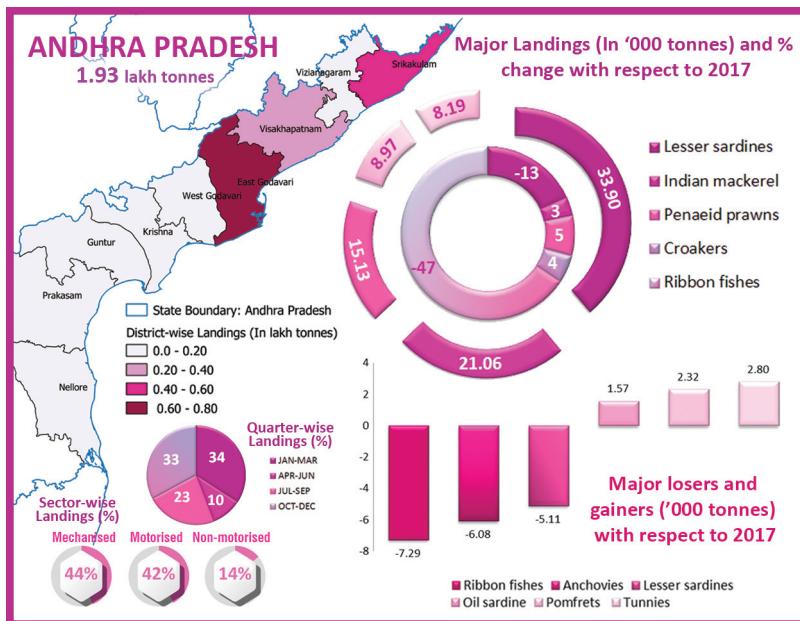
and the loss was maximum in northeast region, about 49% reduction compared to the landings in 2017.

Pelagic resources dominated in the landings with 1.86 million tonnes (53.4%) followed by demersal resources with 0.94 million tonnes (27.1%), crustaceans with 0.46 million tonnes (13.1%) and molluscs with 0.23 million tonnes (6.5%).



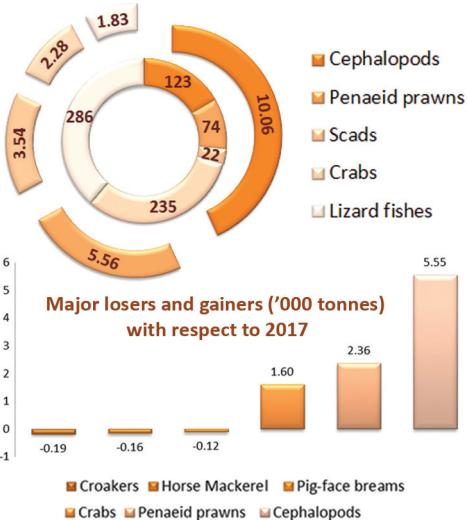
# 2018

## Marine Fish Landings in India



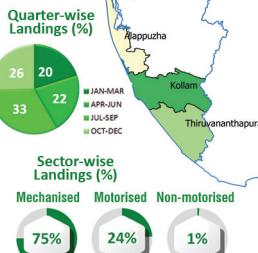
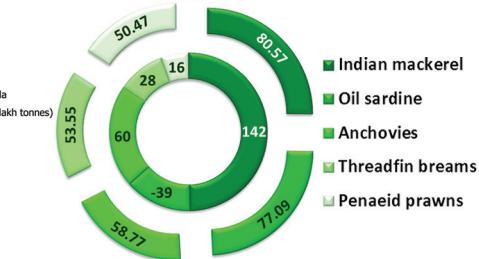
**PUDUCHERRY**

0.45 lakh tonnes

**Major Landings (In '000 tonnes) and % change with respect to 2017****Major losers and gainers ('000 tonnes) with respect to 2017**

Legend:

- Croakers
- Horse Mackerel
- Pig-face breams
- Crabs
- Penaeid prawns
- Cephalopods

**Major Landings (In '000 tonnes) and % change with respect to 2017****Major losers and gainers ('000 tonnes) with respect to 2017**

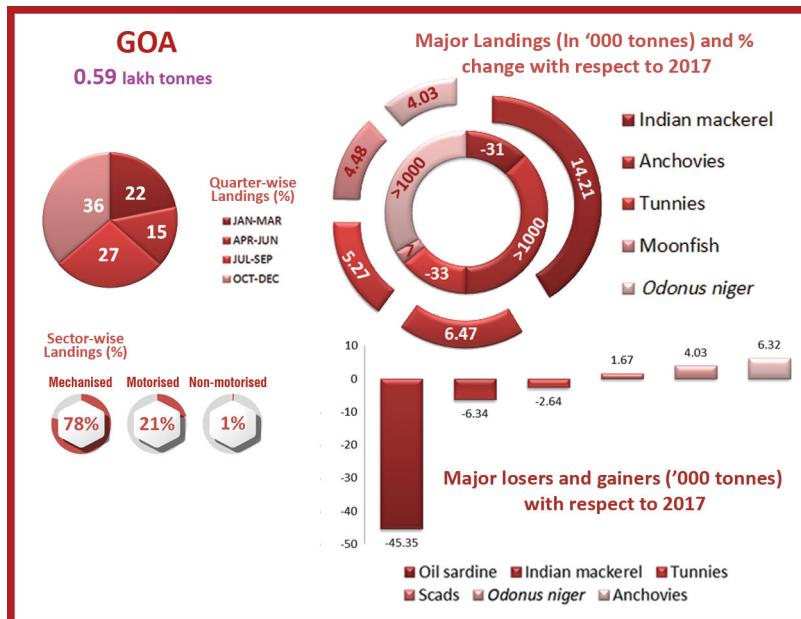
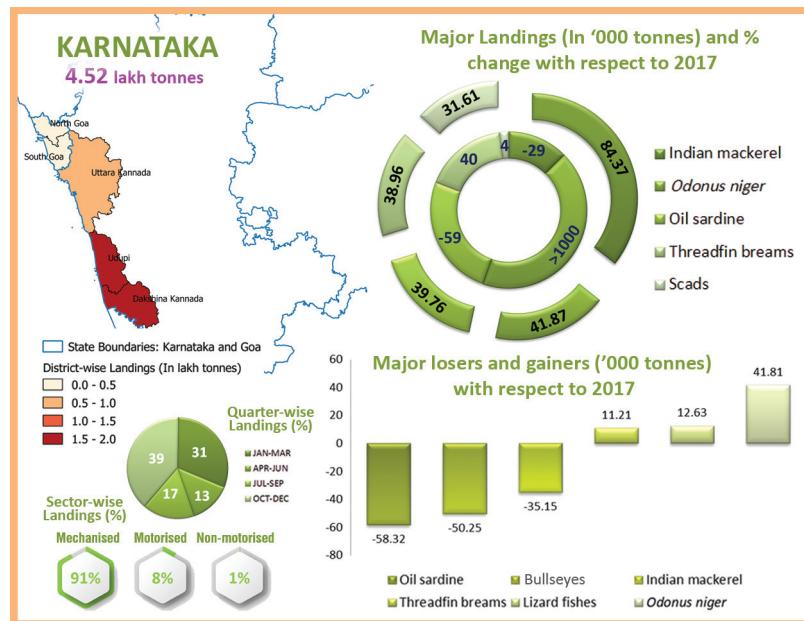
Legend:

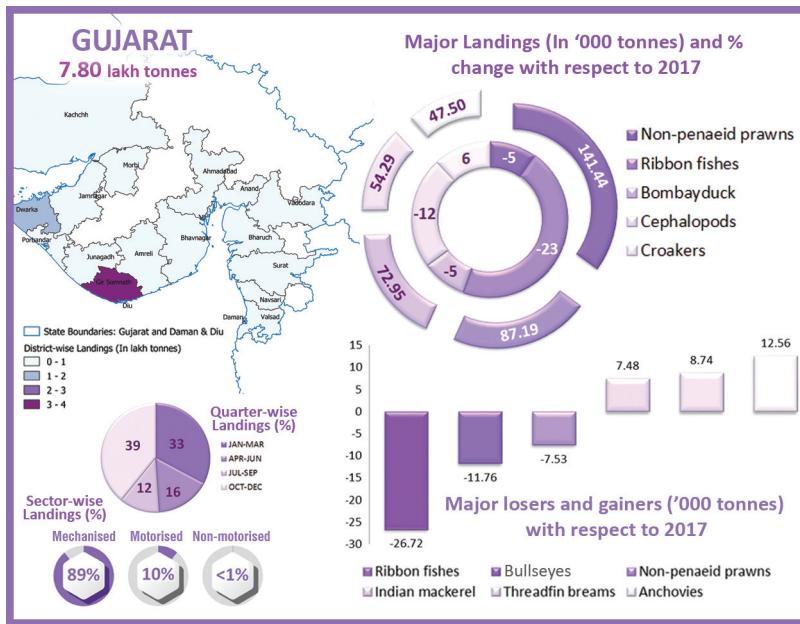
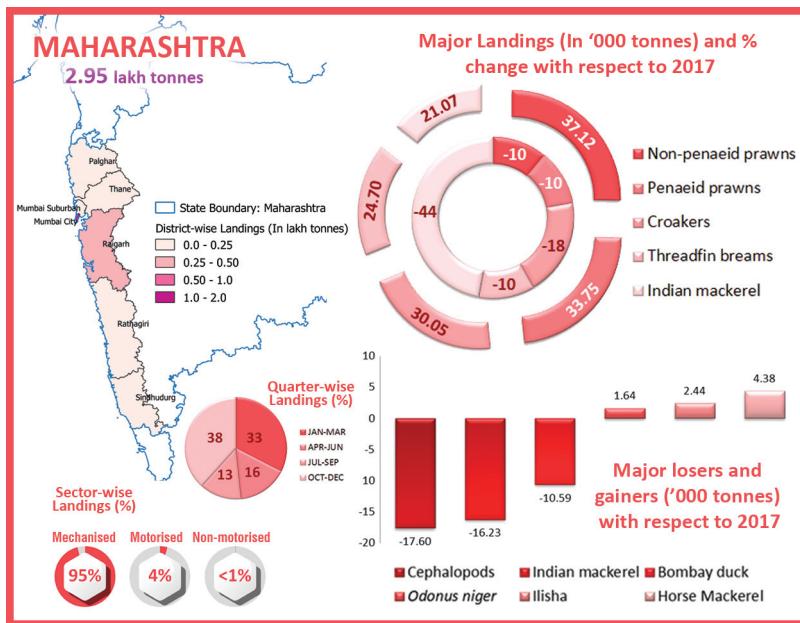
- Oil sardine
- Bullseyes
- Lizard fishes
- Threadfin breams
- Anchovies
- Indian mackerel



# 2018

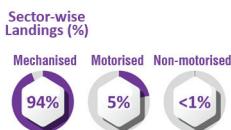
## Marine Fish Landings in India



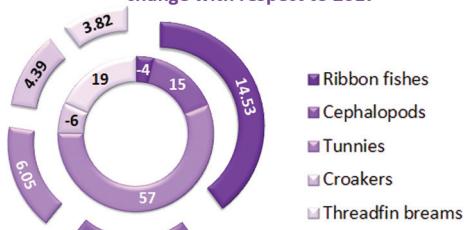


**DAMAN AND DIU**

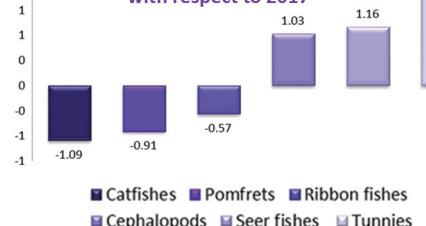
0.68 lakh tonnes



Major Landings (In '000 tonnes) and % change with respect to 2017



Major losers and gainers ('000 tonnes) with respect to 2017



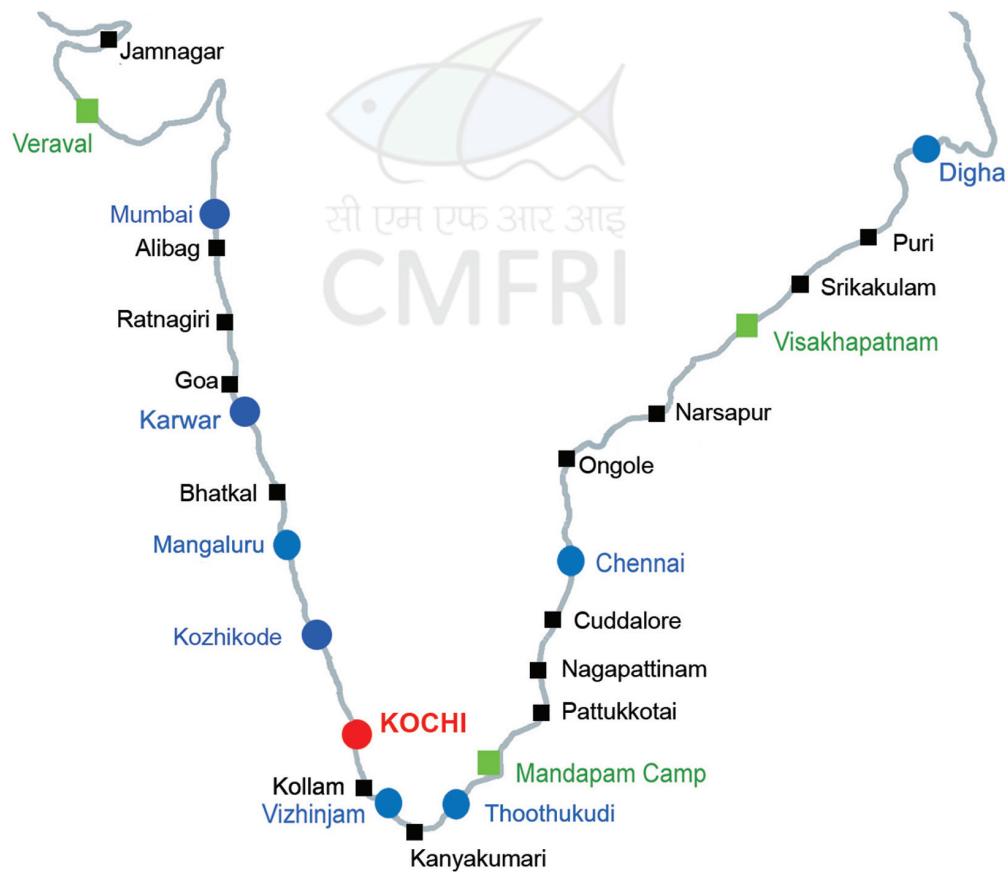
## Valuation of fish landings across states

The estimate of the value of marine fish landings during 2018 at landing centre level was ₹ 52,636 crores, (0.4% increase over 2017). The unit price per kg of fish at landing centre was ₹ 152.0, (11.1% increase over 2017). At the retail level, the estimated value was ₹ 80,320 crores (2.4% increase over 2017). The unit price at the retail market level was

State	Valuation (₹ crores)					
	Landing Centre			Retail Centre		
	2017	2018	Share (%)	2017	2018	Share (%)
Kerala	9699	10827	20.6	13501	14969	18.6
Gujarat	6639	11536	21.9	10196	17382	21.6
Tamil Nadu	1245	8576	16.3	1796	14464	18.0
Karnataka	6397	6442	12.2	9488	10470	13.0
Odisha	9931	1255	2.4	14729	2159	2.7
Maharashtra	6807	5771	11.0	11088	8510	10.6
Andhra Pradesh	432	2662	5.1	618	4159	5.2
West Bengal	2679	2759	5.2	4043	4184	5.2
Goa	1729	920	1.8	2901	1312	1.6
Daman Diu	5783	1156	2.2	8490	1664	2.1
Puducherry	1089	733	1.4	1557	1050	1.3
<b>Total</b>	<b>52431</b>	<b>52636</b>	<b>100</b>	<b>78408</b>	<b>80320</b>	<b>100</b>

₹ 231.9 (13.4% increase over 2017). The marketing efficiency determining the producer's share of the consumers was found to be 65.5 (2.0% decrease over 2017).

# Data Collection Network of CMFRI



- Headquarters
- Regional Centres
- Research Centres
- Field Centres



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