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INDIAN FISHERY HANDBOOK



THE MARINE PRODUCTS EXPORT
DEVELOPMENT AUTHORITY

PREFACE

India is a major player in the global seafood market offering a wide variety of products that suits the global palette. The Indian seafood export trade has crossed US \$ 7 billion with the products from India exported to over 110 countries, with USA, South East Asia, European Union and Japan as major markets. Indian seafood processing units follow world class standards in infrastructure facilities and ensure food safety. The production system are also monitored and subjected to regulatory interventions to ensure the quality standards. A growing number of units are turning largely to the production of value added and convenience products commensurate with the international and domestic demand as well.

India is blessed with a variety of seafood resources to choose from, which entitles to enjoy great demand all over the world. This Handbook illustrates about the commercially most important fin fishes and shell fishes of India. I am sure that this will be a useful guide to all those who are interested in Indian seafood.

Kochi - 682 036
April 2022

Chairman
MPEDA

CONTENTS

I. CRUSTACEANS	Page No		Page No		Page No
Prawns					
Indian White Prawn <i>Fenneropenaeus indicus</i>	8	Kiddi (Karikadi) Shrimp <i>Parapenaeopsis stylifera</i>	16	Deep Sea Lobster <i>Puerulus sewellii</i>	24
Black Tiger Prawn <i>Penaeus monodon</i>	9	Jawala Paste Shrimp <i>Acetes indicus</i>	17	Crabs	
Mandapam Flower Prawn <i>Penaeus semisulcatus</i>	10	Arabian Red Shrimp <i>Aristeus alcocki</i>	18	Mud Crab <i>Scylla serrata</i>	25
Pacific White Shrimp <i>Litopenaeus vannamei</i>	11	Humpback Nylon Shrimp <i>Heterocarpus gibbosus</i>	19	Three Spot Swimming Crab <i>Portunus sanguinolentus</i>	26
Flower Prawn <i>Melicertus canaliculatus</i>	12	Deep sea Shrimp <i>Solenocera spp.</i>	20	Blue Swimming Crab <i>Portunus pelagicus</i>	27
Pink shrimp <i>Metapenaeus dobsoni</i>	13	Giant River Prawn/Scampi <i>Macrobrachium rosenbergii</i>	21	Cricifix Crab <i>Charybdis feriatus</i>	28
		Lobsters			
Brown shrimp <i>Metapenaeus monoceros</i>	14	Rock Lobster <i>Panulirus ornatus</i>	22		
King Prawn <i>Metapenaeus affinis</i>	15	Sand Lobster <i>Thenus orientalis</i>	23		

II. MOLLUSCS	Page No		Page No		Page No
Cephalopods					
Cuttlefish (Pharaoh) <i>Sepia pharaonis</i>	30	Indian Black Clam <i>Villorita cyprinoides</i>	37	Smooth Hammer Head Shark <i>Sphyrna zygaena</i>	44
Indian Squid <i>Loligo duvauceli</i>	31	Indian Backwater Oyster <i>Crassostrea madrasensis</i>	38	Cowtail Sting Ray <i>Pastinachus sephen</i>	45
Needle Squid <i>Loligo singhalensis</i>	32	Indian Whelk /Indian Babylon <i>Babylonia zeylanica</i>	39	Javanese Cow Nose Ray <i>Rhinoptera javanica</i>	46
Octopus (Marbled Octopus) <i>Octopus dollfusi</i>	33	Spiral Whelk /Spiral Babylon <i>Babylonia spirata</i>	40		
Bivalves		III. ELSAMOBRANCHS		IV. BONY FISHES	
Green Mussel <i>Perna viridis</i>	34	Milk Shark <i>Rhizoprionodon acutus</i>	42	Pomfrets	
Short Neck Clam <i>Paphia malabarica</i>	35	Black Tip Shark <i>Carcharhinus sorrah</i>	43	Silver Pomfret <i>Pampus argenteus</i>	48
Asiatic Hard Clam <i>Meretrix meretrix</i>	36			Chinese Pomfret <i>Pampus chinensis</i>	49
				Black Pomfret <i>Parastromateus niger</i>	50

V. SCOMBROIDS	Page No	Tuna	Page No	Rock cods	Page No
Indian Mackerel		Little Tunny <i>Euthynnus affinis</i>	56	Crescent Perch <i>Terapon jarbua</i>	64
Indian Mackerel <i>Rastrelliger kanagurta</i>	52	Yellowfin Tuna <i>Thunnus albacares</i>	57	Dory Snapper <i>Lutianus fulvivflamma</i>	65
Seer fish / King fish		Big Eye Tuna <i>Thunnus obesus</i>	58	Brown Lined Reef cod <i>Epinephelus undulosus</i>	66
Seer Fish <i>Scomberomorus commerson</i>	53	Skipjack Tuna <i>Katsuwonus pelamis</i>	59	Long Spine Grouper <i>Epinephelus longispinis</i>	67
Spanish Mackerel <i>Scomberomorus lineolatus</i>	54			Reef Cod <i>Epinephelus Spp.</i>	68
		VI. PERCHES			
		Snappers			
Indo Pacific King Mackerel <i>Scomberomorus guttatus</i>	55	Snapper <i>Lutjanus spp.</i>	61	Bleeker's Grouper <i>Epinephelus bleekeri</i>	69
		Crescent Snapper <i>Lutjanus lunulatus</i>	62	Banded Grouper <i>Epinephelus latifasciatus</i>	70
		Blue & Yellow Snapper (Common blue stripe snapper) <i>Lutjanus kasmira</i>	63		

	Page No		Page No	X. CAT FISHES	Page No
Tomato Banded Grouper <i>Cephalopholis sonnerati</i>	71	Green Backed Jewfish (Solder croaker) <i>Johnius soldado</i>	80	Cat Fish <i>Arius maculatus</i>	88
Thornyscheek Grouper <i>Epinephelus diacanthus</i>	72	VIII. CARANGIDS		Giant Marine Cat Fish <i>Arius thalassinus</i>	89
Areolated Grouper <i>Epinephelus areolatus chlorostigma</i>	73	Leather Skin <i>Scomberoides lysan</i>	82	XI. SARDINE, SHAD AND ANCHOVIES	
VII. SCIAENIDS (CROAKERS)		Malabar Trevally <i>Carangoides malabaricus</i>	83	Indian Oil Sardine <i>Sardinella longiceps</i>	91
Black Spotted Croaker <i>Protonibea diacanthus</i>	75	IX. RIBBON FISHES		Deep Bodied Sardinella <i>Sardinella brachysoma</i>	92
Panna Croaker <i>Panna microdon</i>	76	Hairtail Ribbon Fish <i>Trichiurus lepturus</i>	85	Smooth Wolf Herring <i>Chirocentrus nudus</i>	93
Sharp Tooth Hammer Croaker <i>Johnieops vogleri</i>	77	Large-Headed Ribbon Fish <i>Lepturacanthus savala</i>	86	White Bait <i>Stolephorus commersoni</i>	94
Sin Croaker <i>Johnius dussumieri</i>	78				
Silver Banded Jewfish <i>Otolithus argenteus</i>	79				

XII. FLAT FISHES

Indian Halibut <i>Psettodes erumei</i>	96
Malabar Tongue Sole <i>Cynoglossus macrolepidotus</i>	97
Tongue Sole <i>Paraplagusia bilineata</i>	98

XIII. OTHER ITEMS

Black King Fish(Cobia) <i>Rachycentron canadum</i>	100
White Fish <i>Lactarius lactarius</i>	101
Barracuda (Giant sea pike) <i>Sphyræna jello</i>	102
Indian Goat Fish <i>Parupeneus indicus</i>	103
Dark Band Goat Fish <i>Upeneus tragula</i>	104
Indian Salmon <i>Eleutheronema tetradactylum</i>	105

Bombay Duck <i>Harpadon nehereus</i>	106
Asian Sea Bass <i>Lates calcarifer</i>	107
Long Spine Sea-bream <i>Argyrops spinifer</i>	108
Japanese Silver Bream/ Yellow fin Sea Bream <i>Acanthapagrus latus</i>	109
Japanese Thread Fin Bream <i>Nemipterus japonicus</i>	110
Bridled Emperor Bream <i>Lethrinus fraenatus</i>	111
Pearl Spot <i>Etroplus suretensis</i>	112
Grey Mullet <i>Mugil cephalus</i>	113
Bluespot Grey Mullet <i>Valamugil seheli</i>	114
Milk fish <i>Chanos chanos</i>	115

Bull Eye <i>Priacanthus hamrur</i>	116
Silver Sillago / Sand Whiting <i>Sillago sihama</i>	117
Lizard Fish <i>Saurida tumbil</i>	118
Indian Conger Eel <i>Conger cinereus</i>	119
Parrot Fish <i>Scarus spp.</i>	120
Catla <i>Catla catla</i>	121
Dolphin Fish <i>Coryphaena hippurus</i>	122
White Spotted Spine Foot <i>Siganus canaliculatus</i>	123
Jelly Fish <i>Rhopilema sp</i>	124
GIFT <i>Oreochromis niloticus</i>	125
Silver pompano <i>Trachinotus blochii</i>	126

CRUSTACEANS

Commercially important varieties of Crustaceans

Shrimps / Prawns

- | | |
|-----------------------------|------------------------------------|
| 1. Indian White Prawn | <i>(Fenneropenaeus indicus)</i> |
| 2. Black Tiger Prawn | <i>(Penaeus monodon)</i> |
| 3. Mandapam Flower Prawn | <i>(Penaeus semisulcatus)</i> |
| 4. Pacific white Shrimp | <i>(Litopenaeus vannamei)</i> |
| 5. Pink Shrimp | <i>(Metapenaeus dobsoni)</i> |
| 6. Brown Shrimp | <i>(Metapenaeus monoceros)</i> |
| 7. King Prawn | <i>(Metapenaeus affinis)</i> |
| 8. Karikadi/Kiddi Shrimp | <i>(Parapenaeopsis stylifera)</i> |
| 9. Jawala Paste Shrimp | <i>(Acetes indicus)</i> |
| 9. Deep Sea Shrimp | <i>(Solenocera spp.)</i> |
| 10. Arabian Red Shrimp | <i>(Aristeus alcocki)</i> |
| 11. Humpback Nylon Shrimp | <i>(Heterocarpus gibbosus)</i> |
| 12. Indian Freshwater Prawn | <i>(Macrobrachium rosenbergii)</i> |

- | | |
|----------------------------|-------------------------------|
| 1. a) Mud Spiny Lobster | <i>(Panulirus polyphagus)</i> |
| b) Scalloped Spiny Lobster | <i>(Panulirus homarus)</i> |
| c) Ornate Spiny Lobster | <i>(Panulirus ornatus)</i> |
| 2. Sand Lobster | <i>(Thenus orientalis)</i> |
| 3. Deep sea Lobster | <i>(Puerulus sewelli)</i> |

Crabs

- | | |
|----------------------------|----------------------------------|
| 1. Mud crab | a) <i>(Scylla serrata)</i> |
| | b) <i>(Scylla tranquebarica)</i> |
| 2. a) 3-Spot Swimming Crab | <i>(Portunus sanguinolentus)</i> |
| b) Blue Swimming Crab | <i>(Portunus pelagicus)</i> |
| c) Crucifix Crab | <i>(Charybdis feriatus)</i> |

INDIAN WHITE PRAWN



Trade Name : Indian White Prawn
Scientific name : *Fenneropenaeus indicus*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net, cast net, stake net
Peak season : Throughout the year except monsoon season
Distribution : Entire West coast and South-East coast of India
Areas of abundance : Kerala and Karnataka coasts

BLACK TIGER PRAWN



Trade Name : Black Tiger Prawn
Scientific name : *Penaeus monodon*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net, cast net, stake net
Peak season : November to May
Distribution : East coast and South-West coast of India
Areas of abundance : West Bengal and Orissa coasts

MANDAPAM FLOWER PRAWN



Trade Name : Mandapam Flower Prawn
Scientific name : *Penaeus semisulcatus*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net
Peak season : October to November
Distribution : East and West coasts of India
Areas of abundance : Karnataka, Goa, Maharashtra, Tamil Nadu and Gujarat

PACIFIC WHITE SHRIMP



Trade Name : Pacific White Shrimp, White Leg Shrimp
Scientific name : *Litopenaeus vannamei*
French : Crevette pattes blanches
Japanese : Vannamei
Spanish : Camaron pattiblaco

Peak season : May to September
Distribution : Eastern Pacific ocean

FLOWER PRAWN



Trade Name : Flower Prawn
Scientific name : *Melicertus canaliculatus*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net
Peak season : January to June
Distribution : East and West coasts of India
Areas of abundance : Karnataka, Goa, Maharashtra, Tamil Nadu and Gujarat

PINK SHRIMP



Trade Name : Pink shrimp
Scientific name : *Metapenaeus dobsoni*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net & stake net
Peak season : July to October
Distribution : West and East coasts of India
Areas of abundance : Kerala and Karnataka coasts

BROWN SHRIMP / SAND SHRIMP



Trade Name	:	Brown Shrimp
Scientific name	:	<i>Metapenaeus monoceros</i>
French	:	Crevette
Japanese	:	Ebi
Spanish	:	Camaron

Gear used	:	Trawl net
Peak season	:	November to May
Distribution	:	West and East coasts of India
Areas of abundance	:	Coasts of Andhra Pradesh and Orissa

KING PRAWN



Trade Name : King Prawn
Scientific name : *Metapenaeus affinis*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net
Peak season : November to May
Distribution : Throughout the West coast and certain parts of East coast
Areas of abundance : Maharashtra and Kerala coasts

KIDDI (KARIKADI) SHRIMP



Trade Name : Kiddi (Karikadi) Shrimp
Scientific name : *Parapenaeopsis styliifera*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net
Peak season : May to September
Distribution : Both the coasts but more in South-West coast
Areas of abundance : Kerala and Karnataka coasts

JAWALA PASTE SHRIMP



Trade Name : Jawala Paste Shrimp
Scientific name : *Acetes indicus*

Gear used : Dol net
Peak season : September to March
Distribution : North-West and North-East coast of India
Areas of abundance : Maharashtra, Gujarat, and coasts of Andaman and Nicobar Islands

ARABIAN RED SHRIMP



Trade Name : Arabian Red Shrimp (Red Ring)
Scientific name : *Aristeus alcocki*
French : Crevette / Nordialue
Japanese : Hokkokuakaebi
Spanish : Camaron

Gear used : Trawl net
Peak season : November to April
Distribution : Arabian Sea, Bay of Bengal, Gulf of Aden
Areas of abundance : Off Kerala coast

HUMPBACK NYLON SHRIMP



Trade Name : Humpback Nylon Shrimp
Scientific name : *Heterocarpus gibbosus*
French : Crevette / Nordialve
Japanese : Hokkakuakaebi
Spanish : Camaron

Gear used : Trawl net
Peak season : November to April
Distribution : India including Andaman Sea
Areas of abundance : 250 - 400 m off Kerala coast

DEEP SEA SHRIMP



Trade Name : Deep sea Shrimp
Scientific name : *Solenocera spp.*
French : Crevette
Japanese : Ebi
Spanish : Camaron

Gear used : Trawl net
Peak season : February to May
Distribution : Both the East-West coast
Areas of abundance : South-West coast

GIANT RIVER PRAWN



Trade Name : Giant River Prawn / Scampi
Scientific name : *Macrobrachium rosenbergii*
French : Bouquet ge'ant
Japanese : Canalou gigante
Spanish : Onitenanga ebi

Gear used : Cast net and other indigenous gear
Peak season : September to November
Distribution : In fresh and brackish waters along both coasts
Areas of abundance : Lakes of West Bengal, Orissa and Kerala

ORNATE SPINY LOBSTER



Trade Name : Ornate Spiny Lobster
Scientific name : *Panulirus ornatus*
French : Langouste
Japanese : Nishiki-ebi
Spanish : Langosta

Gear used : Lobster trap, Trawl net and scoop net
Peak season : Throughout the year, except Dec - January
Distribution : West and South-East coasts of India
Areas of abundance : Tamil Nadu & Maharashtra coast

SAND LOBSTER



Trade Name : Sand Lobster
Scientific name : *Thenus orientalis*
French : Cigate raquette
Japanese : Uchiwa-ebi-modoki
Spanish : Cigarra chata

Gear used : Lobster pots, Trawl net etc.
Peak season : Throughout the year particularly from Sep.-Feb.
Distribution : West and East coasts of India
Areas of abundance : Karnataka, Maharashtra, Tamil Nadu and Orissa coasts

DEEP SEA LOBSTER / ARABIAN WHIP LOBSTER



Trade Name : Deep Sea Lobster
Scientific name : *Puerulus sewellii*
French : Langouste
Japanese : Isebi
Spanish : Langosta

Gear used : Trawl net
Peak season : Throughout the year particularly from December to January
Distribution : South- West and South-East coasts of India
Areas of abundance : Tamil Nadu and off Kerala coast

MUD CRAB



Trade Name : Mud Crab
Scientific name : *Scylla serrata*
French : Crabe
Japanese : Kani
Spanish : Cangrejo

Gear used : Crab Traps, Baited ring net traps and Drag nets
Peak season : July to October
Distribution : West and East coasts of India
Areas of abundance : Off the coasts of Andhra Pradesh, Kerala, Karnataka and Andhra Pradesh

THREE SPOT SWIMMING CRAB



Trade Name	:	Three Spot Swimming Crab
Scientific name	:	<i>Portunus sanguinolentus</i>
French	:	Crabe
Japanese	:	Kani
Spanish	:	Cangrejo

Gear used	:	Trawl net and Shore seines
Peak season	:	July to October
Distribution	:	West and East coasts of India
Areas of abundance	:	Off the coasts of Andhra Pradesh, Kerala,, Karnataka and Gujarat

BLUE SWIMMING CRAB



Trade Name : Blue Swimming Crab
Scientific name : *Portunus pelagicus*
French : Crabe
Japanese : Kani
Spanish : Cangrejo

Gear used : Trawl net, Drag net and Shore seines
Peak season : July to October
Distribution : West and East coasts of India
Areas of abundance : Off the coasts of West Bengal, Andhra Pradesh, Kerala, Tamil Nadu Karnataka and Maharashtra

CRUCIFIX CRAB



Trade Name	:	Crucifix Crab
Scientific name	:	<i>Charybdis feriatus</i>
French	:	Crabe
Japanese	:	Kani
Spanish	:	Cangrejo

Gear used	:	Trawl net
Peak season	:	July to December
Distribution	:	West and East coasts of India
Areas of abundance	:	Off the coasts of Maharashtra, Gujarat and Tamil Nadu

MOLLUSCS

Cephalopods

1. Cuttlefish
 - a) (*Sepia pharaonis*)
 - b) (*S.elliptica*)
2. Squid
 - a) (*Loligo duvauceli*)
 - b) (*L. singhalensis*)
 - c) (*Sepioteuthis lessoniana*)
3. Octopus
 - a) (*Octopus membranaceous*)
 - b) (*O.dollfusi*)
 - c) (*Cystopus indicus*)

Bivalves

1. Green Mussel
 - (*Perna viridis*)
2. Clam
 - (*Meretrix meretrix*)
3. Indian Black clam
 - (*Villorita cyprinoides*)
4. Baby Clam
 - (*Marcia opima*)
5. Short Neck Clam
 - (*Paphia malabarica*)
5. Oyster
 - (*Crassostrea madrasensis*)
6. Pearl Oyster
 - (*Pinctada spp.*)
8. Whelk
 - (*Babylonia spp.*)

PHARAOH CUTTLEFISH



Trade Name : Pharaoh Cuttlefish
Scientific name : *Sepia pharaonis*
French : Seche
Japanese : Ko-ika
Spanish : Jibia

Gear used : Trawl net and Shore seines
Peak season : July to December
Distribution : West and East coasts of India
Areas of abundance : Palk bay, Tamil Nadu & coast of Maharashtra, Kerala, Karnataka and Gujarat

INDIAN SQUID



Trade Name : Indian Squid
Scientific name : *Loligo duvauceli*
French : Calmar
Japanese : Ika
Spanish : Calamar

Gear used : Trawl net
Peak season : September to May
Distribution : West and East coasts of India
Areas of abundance : Gujarat, Maharashtra, Karnataka, Kerala, Tamil Nadu and Andhra Pradesh coasts

NEEDLE SQUID



Trade Name : Needle Squid
Scientific name : *Loligo singhalensis*
French : Calmar
Japanese : Ika
Spanish : Calamar

Gear used : Trawl net
Peak season : September to May
Distribution : West and East coasts of India
Areas of abundance : Kerala coast

OCTOPUS (MARBLED OCTOPUS)



Trade Name : Octopus (Marbled Octopus)
Scientific name : *Octopus dollfusi*
French : Poulpe
Japanese : ma-dako Tako
Spanish : Pulpo

Gear used : Octopus pot and Trawl net
Peak season : August to September, April, May, June
Distribution : West and East coasts of India off Lakshadweep
Areas of abundance : Off Lakshadweep coast

GREEN MUSSEL



Trade Name : Green Mussel
Scientific name : *Perna viridis*
French : Moule
Japanese : Igai
Spanish : Mejillon

Gear used : Hand picking
Peak season : July to November
Distribution : West and East coasts of India and Port Blair
Areas of abundance : Coasts of Kerala, Karnataka, Ratnagiri, Gulf of Kutch and Kakinada Bay

SHORT NECK CLAM



Trade Name : Short Neck clam / Yellow Foot Clam
Scientific name : *Paphia malabarica*
French : Clam
Japanese : Nimaigai
Spanish : Almeja

Gear used : Hand picking, Hand dredging & Mechanized dredging
Peak season : July to November
Distribution : West and East coasts of India
Areas of abundance : Along the coasts of Kerala, Karnataka, Goa, Maharashtra and Kakinada Bay

ASIATIC HARD CLAM



Trade Name : Asiatic Hard Clam
Scientific name : *Meretrix meretrix*
French : Clam
Japanese : Kaki

Gear used : Hand picking
Peak season : July to November
Distribution : West and East coasts of India and Port Blair
Areas of abundance : Coasts of Kerala, Karnataka, Ratnagiri, Gulf of Kutch and Kakinada Bay

INDIAN BLACK CLAM



Trade Name : Indian Black Clam
Scientific name : *Villorita cyprinoides*
French : Clam
Japanese : Kaki

Gear used : Hand picking & scoop nets
Peak season : July to November
Distribution : West and East coasts of India
Areas of abundance : Coasts of Kerala, Karnataka, and Kakinada Bay

INDIAN BACKWATER OYSTER



Trade Name : Indian Backwater Oyster
Scientific name : *Crassostrea madrasensis*
French : Huitre
Japanese : Kaki
Spanish : Ostra

Gear used : Hand picking
Peak season : August to February
Distribution : South-West and South-East coasts of India
Areas of abundance : Off the coasts of Andhra Pradesh,
Tamil Nadu and Kerala coasts

INDIAN WHELK / INDIAN BABYLON



Trade Name : Indian Whelk / Indian Babylon
Scientific name : *Babylonia zeylanica*
French : Baigai
Japanese : Bocena
Spanish : Well horns chnicke

Gear used : Trawl and Hand picking
Peak season : Throughout the year
Distribution : East and West coasts
Areas of abundance : Tamil Nadu and Kerala

SPIRAL WHELK / SPIRAL BABYLON



Trade Name : Spiral Babylon/Spiral Whelk
Scientific name : *Babylonia spirata*
French : Baigai
Japanese : Bocena

Gear used : Trawl and Hand picking
Peak season : Throughout the year
Distribution : East and West coasts
Areas of abundance : Tamil Nadu, Kerala and Karnataka

ELASMOBRANCHS

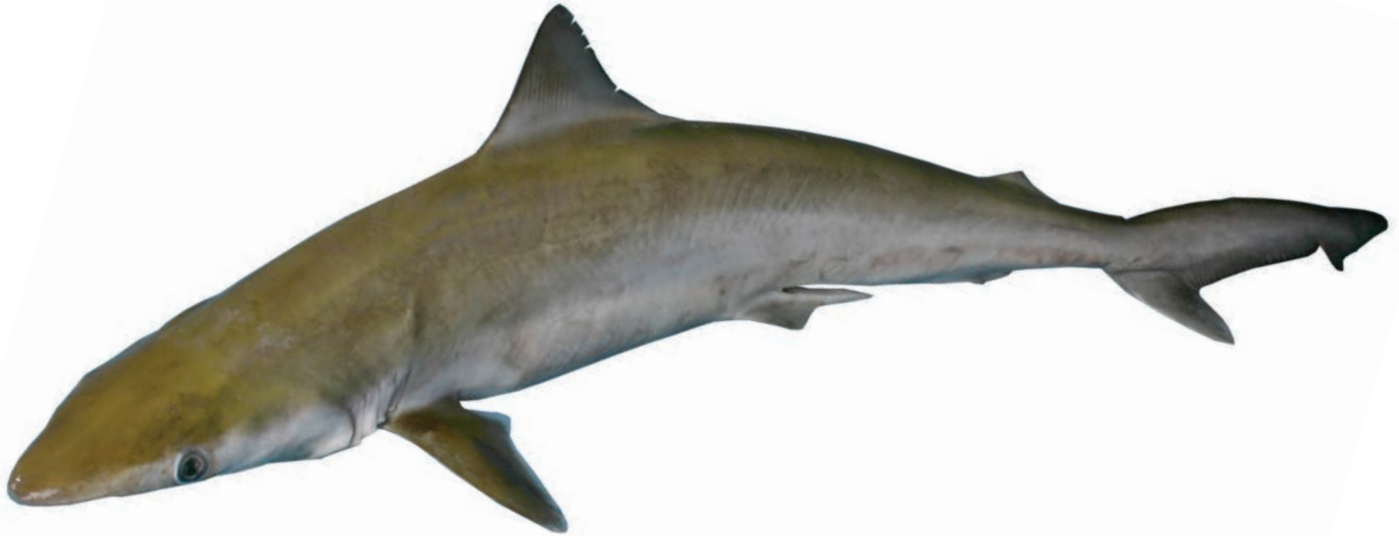
Sharks

1. Indian dog shark
2. Spot tail shark
3. White cheek shark
4. Smooth hammer head shark

Rays

1. Whip tail sting ray
2. Flap nose ray

MILK SHARK



Trade Name	:	Milk Shark
Scientific name	:	<i>Rhizoprionodon acutus</i>
French	:	Requin 'a museau pointu
Japanese	:	Same, Fuka
Spanish	:	Cazon picudo

Gear used	:	Bottom trawling, Longline, Trammel net
Peak season	:	Throughout the year
Distribution	:	West and East coasts of India
Areas of abundance	:	Maharashtra & Gujarat coasts

BLACK TIP SHARK



Trade Name : Black Tip Shark
Scientific name : *Carcharhinus limbatus*
French : Requin
Japanese : Same, Fuka
Spanish : Tiburone

Gear used : Hook and Long line and Trawl net
Peak season : Throughout the year particularly from September to April
Distribution : West and East coasts of India
Areas of abundance : Coasts of Kerala, Maharashtra & Gujarat

SMOOTH HAMMER HEAD SHARK



Trade Name	:	Smooth Hammer Head Shark
Scientific name	:	<i>Sphyrna zygaena</i>
French	:	Requin-marteau
Japanese	:	Shiroshumoko
Spanish	:	Pez martillo

Gear used	:	Hook and line and Trawl net
Peak season	:	January to May
Distribution	:	South-East coast of India
Areas of abundance	:	Port Novo (Tamil Nadu coast)

COWTAIL STING RAY



Trade Name : Cowtail Sting Ray
Scientific name : *Pastinachus sephen*
French : *Dasyatis*
Japanese : Ei, Kasabe
Spanish : Raya

Gear used : Hook and line, Trawl net
Peak season : December to May
Distribution : Tropical Indo-West Pacific
Areas of abundance : Gujarat and Tamil Nadu coast

JAVANESE COW NOSE RAY



Trade Name : Javanese Cow Nose Ray
Scientific name : *Rhinoptera javanica*
French : Raie
Japanese : Ei, Kasube
Spanish : Raya

Gear used : Hook and line, Trawl net and Shore seine
Peak season : January to May
Distribution : South-East coasts of India
Areas of abundance : Cape Comorin (Tamil Nadu coast)

BONY FISHES

POMFRETS
SCOMBROIDS
PERCHES
SCIAENIDS

RIBBON FISHES
CAT FISHES
SARDINES AND ANCHOVIES
FLAT FISHES
OTHERS

POMFRETS

1. Silver / white Pomfret (*Pampus argenteus*)
2. Chinese Pomfret (*Pampus chinensis*)
3. Black Pomfret (*Parastromateus niger*)

SILVER POMFRET



Trade Name	:	Silver Pomfret
Scientific name	:	<i>Pampus argenteus</i>
French	:	Castagnole
Japanese	:	Managatsuo
Spanish	:	Pampano

Gear used	:	Gill net, Dol net and Trawl net
Peak season	:	September to January
Distribution	:	North, Middle-West and North-East Coasts of India
Areas of abundance	:	Maharashtra, Gujarat and Orissa coasts

CHINESE POMFRET



Trade Name	:	Chinese Pomfret
Scientific name	:	<i>Pampus chinensis</i>
French	:	Castagnole
Japanese	:	Managatsuo
Spanish	:	Pampano

Gear used	:	Gill net and Dol net
Peak season	:	August to December and March
Distribution	:	East and West coasts of India
Areas of abundance	:	Maharashtra and Gujarat coasts

BLACK POMFRET



Trade Name : Black Pomfret
Scientific name : *Formeo niger*
French : Castagnole
Japanese : Managatsuo
Spanish : Pampano

Gear used : Gill net and Trawl net
Peak season : August to December
Distribution : East and West coasts of India
Areas of abundance : Maharashtra and Gujarat coasts

SCOMBROIDS

Varieties

Indian Mackerel (*Rastrelliger kanagurta*)

Seer Fish

1. Narrow barred spanish Mackerel (*Scomberomorus commerson*)
2. Streaked Spanish Mackerel (*Scomberomorus lineolatus*)
3. Indo-Pacific King Mackerel (*Scomberomorus guttatus*)
4. Wahoo (*Acanthocybium solandri*)

Tuna & Tuna like fishes

1. Little tunny / Kawakawa (*Euthynnus affinis*)
2. Yellow fin tuna (*Thunnus albacares*)
3. Big eye tuna (*Thunnus obesus*)
4. Skipjack tuna (*Katsuwonus pelamis*)
5. Longtail tuna (*Thunnus tonggol*)
6. Frigate tuna (*Auxis thazard*)
7. Dogtooth tuna (*Gymnosarda unicolor*)
8. Oriental bonito (*Sarda orientalis*)

INDIAN MACKEREL



Trade Name : Indian Mackerel
Scientific name : *Rastrelliger kanagurta*
French : Maquereau Du pacifique

Gear used : Gill net, Shore seine & Purse seine
Peak season : August to November
Distribution : South, Middle-West and South-East coasts of India
Areas of abundance : Karnataka and Kerala coasts

SEER FISH



Trade Name	:	Seer Fish
Scientific name	:	<i>Scomberomorus commerson</i>
French	:	Thazard
Japanese	:	Sawara
Spanish	:	Carita

Gear used	:	Hook and line, Drift net and gill net
Peak season	:	October to December
Distribution	:	East and West coasts of India
Areas of abundance	:	Coasts of Tamil Nadu, Kerala and Karnataka

SPANISH MACKEREL



Trade Name	:	Spanish Mackerel
Scientific name	:	<i>Scomberomorus lineolatus</i>
French	:	Thazard
Japanese	:	Magurorui
Spanish	:	Atun

Gear used	:	Drift gill nets, Purse seine, Troll, Midwater trawl
Peak season	:	October to December
Distribution	:	East and West coasts of India & Sri Lanka
Areas of abundance	:	West coast of India

INDO-PACIFIC KING MACKEREL



Trade Name	:	Indo Pacific King Mackerel
Scientific name	:	<i>Scomberomorus guttatus</i>
French	:	Thazard
Japanese	:	Sawara
Spanish	:	Larita

Gear used	:	Hook and line, Drift net and gill net
Peak season	:	October to December
Distribution	:	East and West coasts of India
Areas of abundance	:	Gujarat, Maharashtra, Kerala and Andaman coasts

LITTLE TUNNY (KAWAKAWA)



Trade Name	:	Little Tunny / Kawakawa
Scientific name	:	<i>Euthynnus affinis</i>
French	:	Thon
Japanese	:	Maguro-ru
Spanish	:	Atun

Gear used	:	Long line and hook and line
Peak season	:	October to may
Distribution	:	South-West coasts of India
Areas of abundance	:	Kerala, Lakshadweep and Andamans coasts

YELLOWFIN TUNA



Trade Name : Yellowfin Tuna
Scientific name : *Thunnus albacares*
French : Thon
Japanese : Maguro-ru
Spanish : Atun

Gear used : Long line and hook and line
Peak season : October to January
Distribution : East and West coasts of India
Areas of abundance : Lakshadweep, Andamans, Gulf of Mannar and Ratnagiri coasts

BIG EYE TUNA



Trade Name : Big Eye Tuna
Scientific name : *Thunnus obesus*
French : Thon
Japanese : Maguro-ru
Spanish : Atun

Gear used : Long line
Peak season : Throughout the year particularly in October to May
Distribution : Suth-West and East coasts of India & Lakshadweep
Areas of abundance : Lakshadweep Islands, Gulf of Mannar, Vizhinjam and Ratnagiri coasts

SKIPJACK TUNA



Trade Name	:	Skipjack Tuna
Scientific name	:	<i>Katsuwonus pelamis</i>
French	:	Thon
Japanese	:	Maguro-ru
Spanish	:	Atun

Gear used	:	Purse seine & Pole and line
Peak season	:	October to April
Distribution	:	Off West and East coasts of India
Areas of abundance	:	Andamans and Lakshadweep Islands

PERCHES

Varieties

Snappers

1. Mangrove red snapper (*Lutjanus argentimaculatus*)
2. Blood-red snapper (*Lutjanus sanguineus*)
3. Black spot snapper (*L. fulviflamma*)
4. Emperor red snapper (*L. sabae*)
5. Hunched snapper (*L. gibbus*)
6. Two spot snapper (*L. bohar*)
7. Blue and Yellow snapper (*L. kasmira*)
8. Malabar snapper (*L. malabaricus*)

Rock cods

1. Malabar reef cod (*Epinephelus malabaricus*)
2. Greasy grouper (*E. tauvina*)
3. Dusky tail grouper (*E. bleekeri*)
4. Areolate grouper (*E. areolatus*)
5. Red banded grouper (*E. fasciatus*)
6. Brown marbled grouper (*E. fuscoguttatus*)
7. Brown spotted grouper (*E. chlorostigma*)

Pigface breams

1. Stally Emperor bream (*Lethrinus nebulosus*)
2. Yellow banded emperor bream (*L. ramok*)
3. Longface pigface bream (*L. elongatus*)

SNAPPER



Trade Name : Snapper
Scientific name : *Lutjanus spp.*
French : Vivaneau
Japanese : Tarumi feudai

Gear used : Trawl net
Peak season : September to January
Distribution : East and West coasts of India
Areas of abundance : Malabar coast of Kerala

CRESCENT SNAPPER



Trade Name : Crescent Snapper
(Lunartail snapper)
Scientific name : *Lutjanus lunulatus*
French : Vivaneauquelle lune
Japanese : Tarumi feudai

Gear used : Handlines, Traps, Gill nets
Peak season : December
Distribution : East coast of India
Areas of abundance : South-East coast of India

BLUE & YELLOW SNAPPER



Trade Name : Blue & Yellow Snapper
(Common blue stripe snapper)
Scientific name : *Lutjanus kasmira*

Gear used : Handlines, Traps & Gill nets
Peak season : September to January
Distribution : East and West coasts of India
Areas of abundance : North-West & South-East coasts of India

CRESCENT PERCH



Trade Name : Crescent Perch
Scientific name : *Terapon jarbua*
French : Perca
Japanese : Pesce, Persico

Gear used : All types of inshore fishing gears including gill nets & bottom trawls
Peak season : September to January
Distribution : Indio-West pacific
Areas of abundance : All along the coast of India

DORY SNAPPER



Trade Name : Dory Snapper
Scientific name : *Lutjanus fulviflamma*
French : Vivaneau
Japanese : Tarumi feudai

Gear used : Hand lines, Traps & Gill nets
Peak season : January
Distribution : East and West coasts of India
Areas of abundance : Tamil Nadu coasts

BROWN LINED REEF COD



Trade Name	:	Brown Lined Reef cod
Scientific name	:	<i>Epinephelus undulosus</i>
French	:	Meron
Japanese	:	Hata
Spanish	:	Mero, Cherne

Gear used	:	Trawl net
Peak season	:	August to December
Distribution	:	West and East coasts of India
Areas of abundance	:	Off Kerala coast

LONG SPINE GROUPER



Trade Name : Long Spine Grouper
Scientific name : *Epinephelus longispinis*
French : Merounonguese epines
Japanese : Tarumi feudai
Spanish : Mercespigon

Gear used : Trawl net, Hook and line, Traps
Peak season : January to February
Distribution : Western Indian Ocean southward to S.Africa
Areas of abundance : West coast & South-East coasts

REEF COD



Trade Name	:	Reef Cod
Scientific name	:	<i>Epinephelus Sp.</i>
French	:	Meron
Japanese	:	Hata
Spanish	:	Mero

Gear used	:	Trawl net and Gill net
Peak season	:	August to December
Distribution	:	South-East coasts of India
Areas of abundance	:	Tamil Nadu coast

BLEEKER'S GROUPER



Trade Name : Bleeker's Grouper
Scientific name : *Epinephelus bleekeri*
French : Meron demidenil
Japanese : Hata
Spanish : Mero medioluto

Gear used : Hook & line, Gill nets & Traps
Peak season : January to February
Distribution : Indo-West Pacific from Sri Lanka
Areas of abundance : North-West & South-West coasts of India

BANDED GROUPER



Trade Name	:	Banded Grouper
Scientific name	:	<i>Epinephelus lalifasciatus</i>
French	:	Meron a bandes
Japanese	:	Hata
Spanish	:	Mero abanderado

Gear used	:	Hook & line, Gill nets & Traps
Peak season	:	January to February
Distribution	:	Coasts of India & Sri Lanka
Areas of abundance	:	West coast of India & around Sri Lanka

TOMATO BANDED GROUPER



Trade Name	:	Tomato Banded Grouper
Scientific name	:	<i>Cephalopholis sonnerati</i>
French	:	Veille ananas
Japanese	:	Hata
Spanish	:	Cherna pina

Gear used	:	Hook & line, Traps & Gill nets
Peak season	:	January to February
Distribution	:	Western Indian Ocean
Areas of abundance	:	West coasts of India and around Sri Lanka

THORNYCHEEK GROUPER



Trade Name : Thornycheek Grouper
Scientific name : *Epinephelus diacanthus*
French : Meron epineux
Japanese : Hata
Spanish : Mero espinudo

Gear used : Trawl
Peak season : January to February
Distribution : Coasts of Pakistan, India & Sri Lanka
Areas of abundance : West & South-East coast of India

AREOLATED GROUPER



Trade Name	:	Areolated Grouper
Scientific name	:	<i>Epinephelus areolatus chlorostigma</i>
French	:	Meron pintade
Japanese	:	Hata
Spanish	:	Mero pintado

Gear used	:	Traps, Hook & line, Gill nets
Peak season	:	January to February
Distribution	:	Western Indian Ocean
Areas of abundance	:	West & South-East coasts of India

SCIAENIDS (CROAKERS)

varieties

1. Sin croaker (*Johnius dussumieri*)
2. Pale spot fin croaker (*Johnius glaucus*)
3. Blackmouth croaker (*Atrabucca nibe*)
4. Bigeye croaker (*Pennahia anea*)
5. Blotched croaker (*Nibea maculata*)
6. Tiger tooth croaker (*Otolithes ruber*)
7. Sharp toothed raniner croaker (*Johnieops vogleri*)
8. Blackspotted croaker / Ghol (*Protonibea diacanthus*)
9. Lesser tiger tooth croaker (*Otolithes cuvieri*)
10. Bronze croaker (*Otolithoides biauritus*)
11. Corvina (*Daysciaena albida*)

BLACK SPOTTED CROAKER



Trade Name : Black Spotted Croaker
Scientific name : *Protonibea diacanthus*
French : Courbine pintade
Japanese : Hata
Spanish : Covina pintada

Gear used : Bottom trawls & Gill nets
Peak season : July to March
Distribution : West and East coast of India & Sri Lanka
Areas of abundance : Gujarat & Maharashtra coasts

PANNA CROAKER



Trade Name : Panna Croaker/Lesser Tigertooth Croaker
Scientific name : *Panna microdon*
French : Tambour
Japanese : Guchi
Spanish : Corbina

Gear used : Trawl net and Gill net
Peak season : October to March
Distribution : East & West coasts of India
Areas of abundance : Kerala and Maharashtra coast

SHARP TOOTH HAMMER CROAKER



Trade Name	:	Sharp Tooth Hammer Croaker
Scientific name	:	<i>Johnnieops vogleri</i>
French	:	Tambour
Japanese	:	Guchi
Spanish	:	Corbina

Gear used	:	Bottom trawls and Gill net
Peak season	:	October to March
Distribution	:	East & West coasts of India
Areas of abundance	:	Kerala and Maharashtra coast

SIN CROAKER



Trade Name	:	Sin Croaker
Scientific name	:	<i>Johnius dussumieri</i>
French	:	Coutbaine Chinoise
Japanese	:	Guchi
Spanish	:	Coroina China

Gear used	:	Bottom trawls, Bottom setgill nets, Bagnets
Peak season	:	September to December
Distribution	:	Eastern Indian Ocean & Western Central Pacific
Areas of abundance	:	West coast of India

SILVER BANDED JEWFIISH



Trade Name : Silver Banded Jewfish
Scientific name : *Otolithus argenteus*
French : Coutbaine Chinoise
Japanese : Guchi
Spanish : Coroina

Gear used : Bottom trawls, Bottom set gill nets, Bagnets
Peak season : October to December
Distribution : Indo-West Pacific
Areas of abundance : West coast of India

GREEN BACKED JEWfish



Trade Name : Green Backed Jewfish (Soldier Croaker)
Scientific name : *Johnius soldado*
French : Courbine
Spanish : Corvina

Gear used : Bottom trawls, Gill nets & Hand lines
Peak season : October to March
Distribution : North-West coast of India (Indo-West Pacific)
Areas of abundance : Maharashtra & Gujarat coasts

CARANGIDS

Horse mackerel / Scads

1. Torpedo scad (*Megalaspis cordyla*)
2. Double spotted queen fish (*Scomberoides lysan*)
3. Bigeye scad (*Selar crumenophthalmus*)
4. Shrimp scad (*Alepes djedaba*)
5. Yellowtail scad (*Atule mate*)
6. Indian scad (*Decapterus russelli*)

LEATHER SKIN



Trade Name : Leather Skin/Double Spotted Queen Fish
Scientific name : *Scomberoides lysan*

Gear used : Trawl net, Drift net and Gill net
Peak season : September to January
Distribution : East & West coasts of India
Areas of abundance : Andhra, Tamil Nadu and Kerala coasts

MALABAR TREVALLY



Trade Name : Malabar Trevally
Scientific name : *Carangoides malabaricus*
French : Carangue
Japanese : Hiraaji

Gear used : Trawl net and Shore seine
Peak season : October to February
Distribution : East & West coasts of India
Areas of abundance : Kerala and Tamil Nadu coasts

RIBBON FISHES

Varieties

1. Hairtail ribbon fish (*Lepturacanthus savala*)
2. Large headed ribbon fish (*Trichiurus lepturus*)

HAIRTAIL RIBBON FISH



Trade Name : Hairtail Ribbon Fish
Scientific name : *Lepturacanthus savala*
French : Poisson-sabre
Japanese : Tachiuo
Spanish : Pez sable

Gear used : Trawl net and Boat seines
Peak season : July to April
Distribution : East & West coasts of India
Areas of abundance : Andhra Pradesh, Tamil Nadu, Kerala, Maharashtra and Gujarat coasts

LARGE-HEADED RIBBON FISH



Trade Name : Large-headed Ribbon Fish
Scientific name : *Trichiurus lepturus*
French : Poisson-sabre
Japanese : Tachiuo
Spanish : Pez sable

Gear used : Trawl net and Boat seines
Peak season : July to April
Distribution : East & West coasts of India
Areas of abundance : Andhra Pradesh, Tamil Nadu, Kerala, and Maharashtra coasts

CAT FISHES

Varieties

1. Spotted cat fish (*Arius maculateus*)
2. Giant marine cat fish (*Arius thalassinus*)
3. Thin spine sea cat fish (*A. tenuospinis*)

CAT FISH



Trade Name : Cat Fish
Scientific name : *Arius maculatus*
French : Loup
Spanish : Lobo

Gear used : Trawl net and Gill net
Peak season : September to March
Distribution : West coasts of India
Areas of abundance : Karnataka, Goa and Maharashtra coasts

GIANT MARINE CAT FISH



Trade Name : Giant Marine Cat Fish
Scientific name : *Arius thalassinus*
French : Loup
Spanish : Lobo

Gear used : Hook & line, Boat seines
Peak season : August
Distribution : East & West coasts of India
Areas of abundance : Tamil Nadu, Kerala, Karnataka & Maharashtra

SARDINE, SHAD AND ANCHOVIES

Varieties

1. Indian oil sardine (*Sardinella longiceps*)
2. Lesser sardines (*Sardinella gibbosa*, *S. fimbriata*)
3. Anchovies (*Coilia*, *Stolephorus*, *Thryssa*, *Setipinna*)
4. Wolf herring (*Chirocentrus dorab*)
5. Hilsa (*Tenualosa ilisha*, *Ilisha elongata*)

INDIAN OIL SARDINE



Trade Name : Indian Oil Sardine
Scientific name : *Sardinella longiceps*
French : Sardinella

Gear used : Boat seine, Purse seine and Gill net
Peak season : August to December
Distribution : East & West coasts of India
Areas of abundance : Kerala and Karnataka coasts

DEEP BODIED SARDINELLA



Trade Name : Deep Bodied Sardinella
Scientific name : *Sardinella brachysoma*
French : Sardinella

Gear used : Boat seine, Purse seine and Gill net
Peak season : August to December
Distribution : East & West coasts of India
Areas of abundance : Kerala and Karnataka coasts

SMOOTH WOLF HERRING



Trade Name : Smooth Wolf Herring
Scientific name : *Chirocentrus nudus*

Gear used : Gill nets, Shallow trawls, Seines & Traps
Peak season : February to October
Distribution : East & West coasts of India
Areas of abundance : Tamil Nadu & Orissa coasts

WHITE BAIT



Trade Name	:	White Bait
Scientific name	:	<i>Stolephorus commersoni</i>
French	:	Anchois
Japanese	:	Katakuchi Washi
Spanish	:	Anchoa

Gear used	:	Shore seines, Bagnets
Peak season	:	October to April
Distribution	:	East & West coasts of India
Areas of abundance	:	Kerala< Tamil Nadu, & Orissa

FLAT FISHES

Varieties

1. Indian halibut (*Psettodes erumei*)
2. Malabar tongue sole (*Cynoglossus macrostomus*)
3. Doublelined tongue sole (*Paraplagusia bilineata*)
(*Cynoglossus dubius*)
(*C. bilineatus*)
(*C. macrolepidotus*)

INDIAN HALIBUT



Trade Name : Indian Halibut
Scientific name : *Psettodes erumei*
French : Plie
Japanese : Solla

Gear used : Trawl net
Peak season : July to September
Distribution : East & West coasts of India
Areas of abundance : Maharashtra coast

MALABAR TONGUE SOLE



Trade Name : Malabar Tongue Sole
Scientific name : *Cynoglossus macrolepidotus*
French : Sole
Japanese : Shitabirame
Spanish : Solla

Gear used : Trawl net
Peak season : August to March
Distribution : East & West coasts of India

TONGUE SOLE



Trade Name : Tongue Sole
Scientific name : *Paraplagusia bilineata*
French : Sole
Spanish : Solla

Gear used : Trawl net
Peak season : September to March
Distribution : East & West coasts of India
Areas of abundance : Kerala coast

OTHER ITEMS

1. Barracuda (*Sphyraena jello*, *S. obtusata*)
2. Goat fish (*Upeneus indicus*)
3. Dark band goat fish (*Upeneus tragula*)
4. Indian salmon (*Eleutheronema tetrasnetylum*)
5. Bombay duck (*Harpodon nehereus*)
6. Sea bass (*Lates calcarifer*)
7. Japanese threadfin bream (*Nemipterus japonicus*)
8. Spadefish / Orb fish (*Ephippus orbis*)
9. Pearl spot (*Etroplus suratensis*)
10. Grey mullet (*Mugil cephalus*)
11. Blue spot mullet (*Valamugil sehali*)
12. Dolphin fish (*Coryphaena hippurus*)
13. Indian threadfin (*Leptomelanosoma indicum*)
14. False trevally/white fish (*Lactarius lactarius*)
15. Leather jacket / Trigger fish (*Rhinecanthus spp.*)
16. Milk fish (*Chanos chanos*)
17. Silver sillago (*Sillago sihama*)
18. Lizard fish (*Saurida spp.*)
19. Indian conger eel (*Muraenosox spp.*)
20. Parrot fish (*Scarus spp.*)
21. Silver Pompano (*Trachinotus blochii*.)
22. Sword fish (*Xiphias gladius*)
23. Black marlin (*Makaira indica*)
24. Indo-pacific sail fish (*Istiophorus platypterus*)
25. Black King Fish/Cobia (*Rachycentron canadum*)
26. GIFT (*Oreochromis niloticus*)
27. Jelly Fish (*Rhopilema sp.*)

BLACK KING FISH (COBIA)



Trade Name	:	Black King Fish(Cobia)
Scientific name	:	<i>Rachycentron canadum</i>
French	:	Mafou
Japanese	:	Sugi
Spanish	:	Cobia

Gear used	:	Gill net, Trawl net and Hand lines
Peak season	:	All around the year
Distribution	:	East and West coasts of India
Areas of abundance	:	Tamil Nadu and Kerala coasts

WHITE FISH



Trade Name : Trevally / Parava
Scientific name : *Lactarius lactarius*
French : Carangue
Japanese : Hiraaji

Gear used : Trawl net and Gill net
Peak season : October to February
Distribution : East & West coasts of India
Areas of abundance : Maharashtra, Kerala and Tamil Nadu coasts

BARRACUDA



Trade Name : Barracuda (Giant sea pike)
Scientific name : *Sphyraena jello*
French : Becune
Japanese : Kamasu
Spanish : Barracuda

Gear used : Trawl net, Hook and line and Gill net
Peak season : September to March
Distribution : East & West coasts of India
Areas of abundance : Kerala and Tamil Nadu coasts

INDIAN GOAT FISH



Trade Name	:	Indian Goat Fish
Scientific name	:	<i>Parupeneus indicus</i>
French	:	Rouget
Japanese	:	Himevii
Spanish	:	Salmoneta

Gear used	:	Trawl net
Peak season	:	August to February
Distribution	:	East coast of India
Areas of abundance	:	Tamil Nadu and Andhra Pradesh coasts

DARK BAND GOAT FISH



Trade Name : Dark Band Goat Fish
Scientific name : *Upeneus tragula*
French : Rouget
Japanese : Himeji
Spanish : Salmoneta

Gear used : Trawl net
Peak season : August to February
Distribution : East coast of India
Areas of abundance : Tamil Nadu and Andhra Pradesh coasts

INDIAN SALMON



Trade Name : Indian Salmon
Scientific name : *Eleutheronema tetradactylum*
French : Barbur
Japanese : Tsubamekonoshiro

Gear used : Trawl net, Drift Gill nets and Boat seines
Peak season : September to December
Distribution : North-East & North-West coasts of India
Areas of abundance : West Bengal, Orissa and Gujarat coasts

BOMBAY DUCK



Trade Name : Bombay Duck
Scientific name : *Harpodon nehereus*
French : Bombay duck (Inde)
Japanese : Tenagamizutengu

Gear used : Trawl net, Dol net and Boat seine
Peak season : September to June
Distribution : North-West coast of India
Areas of abundance : Gujarat and Maharashtra coasts

ASIAN SEA BASS / BARRAMUNDI



Trade Name	:	Asian Sea Bass/Barramundi
Scientific name	:	<i>Lates calcarifer</i>
French	:	Hata Ja
Japanese	:	Akame
Spanish	:	Perca gigante

Gear used	:	Cast nets and traps, Seines
Peak season	:	August to February
Distribution	:	Coastal waters, estuaries and lagoons
Areas of abundance	:	Kerala and Tamil Nadu coast

LONG SPINE SEA-BREAM



Trade Name : Tiger Long Spine Sea-bream
Scientific name : *Argyrops spinifer*
French : Dorade
Japanese : Tai
Spanish : Esparido

Gear used : Trawl net and Gill net
Peak season : August to February
Distribution : East & West coasts of India
Areas of abundance : Andhra Pradesh, Tamil Nadu and Gujarat coasts

JAPANESE SILVER BREAM (YELLOW FIN SEA BREAM)



Trade Name : Japanese Silver Bream
Yellow fin Sea Bream
Scientific name : *Acanthapagrus latus*
French : Dorare
Japanese : Pai
Spanish : Esparido

Gear used :
Peak season : September to October
Distribution : Indo-West Pacific
Gujarat, Maharashtra coasts of India

JAPANESE THREAD FIN BREAM



Trade Name : Japanese Thread Fin Bream
Scientific name : *Nemipterus japonicus*
French : Cohana japonaise
Japanese : Nihon - itoyori
Spanish : Baga Japonesa

Gear used : Trawl net and Gill net
Peak season : August to February
Distribution : East & West coasts of India
Areas of abundance : Andhra Pradesh, Tamil Nadu and Gujarat coasts

BRIDLED EMPEROR BREAM



Trade Name : Bridled Emperor Bream
Scientific name : *Lethrinus fraenatus*

Gear used : Trap fishery / Hook & line
Peak season : Throughout the year
Distribution : East coast of India
Areas of abundance : Gulf of Mannar

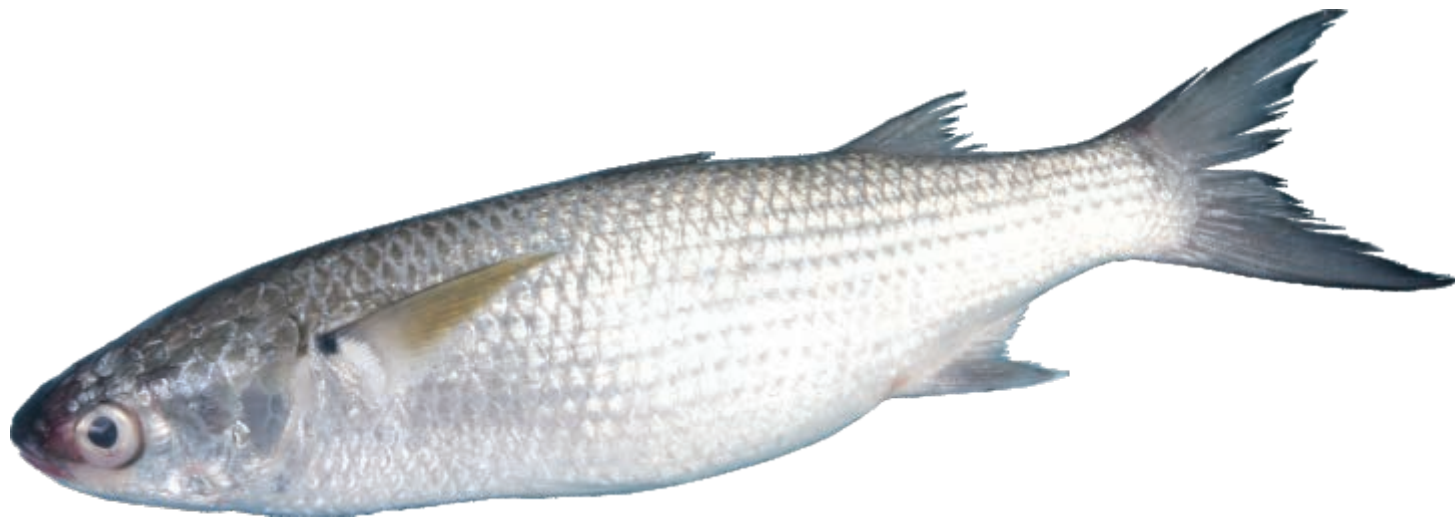
PEARL SPOT



Trade Name : Pearl Spot / Green Chromide
Scientific name : *Etroplus suratensis*
Japanese : Hata

Gear used : Cast net and Gill net
Peak season : May to November
Distribution : An estuarine form found along the South-West and Orissa coasts
Areas of abundance : Lakes of Karnataka and Kerala

GREY MULLET



Trade Name : Grey Mullet
Scientific name : *Mugil cephalus*
French : Muge
Japanese : Bora
Spanish : Lisa

Gear used : Cast net, Dip net and Gill net
Peak season : August to February
Distribution : East & West coasts of India
Areas of abundance : South-West coast, North-East coast

BLUESPOT GREY MULLET



Trade Name : Bluespot Grey Mullet
Scientific name : *Valamugil seheli*
French : Muge
Japanese : Bora
Spanish : Lisa

Gear used : Cast net, Dip net and Gill net
Peak season : August to February
Distribution : East & West coasts of India
Areas of abundance : South-West coast, North-East coast and Vembanad lake

MILK FISH



Trade Name : Milk fish
Scientific name : *Chanos chanos*
French : Chano
Japanese : Sabahii
Spanish : Sabalote/chano

Gear used : Gill net, Cast net (even in Chinese net)
Peak season : August to December
Distribution : Coastal waters including lagoons
Areas of abundance : Gulf of Mannar

BULL EYE



Trade Name : Bull Eye
Scientific name : *Priacanthus hamrur*
French : Juif
Japanese : Kintokidai

Gear used : Trawl net
Peak season : August to December
Distribution : East coast of India
Areas of abundance : Andhra Pradesh, Tamil Nadu and Kerala coasts

SILVER SILLAGO / SAND WHITING



Trade Name : Silver Sillago / Sand Whiting
Scientific name : *Sillago sihama*
French : Peche-madame-argentte
Japanese : Silago plateado
Spanish : Kisu

Gear used : Shore seine
Peak season : May to December
Distribution : East coast of India
Areas of abundance : Andhra Pradesh, Tamil Nadu, Karnataka and Kerala coasts

LIZARD FISH



Trade Name : Lizard Fish
Scientific name : *Saurida tumbil*
French : Anoli Tumbil
Spanish : Longato Tumbil

Gear used : Trawl fishery
Peak season : December To January
Distribution : East coast of India
Areas of abundance : Gulf of Mannar

INDIAN CONGER EEL



Trade Name : Indian Conger Eel
Scientific name : *Conger cinereus*
French : Anguille
Japanese : Unagi
Spanish : Anguila

Gear used : Trawl net
Peak season : January to July
Distribution : East and West coasts of India
Areas of abundance : Maharashtra and Gujarat coasts

PARROT FISH



Trade Name : Parrot Fish
Scientific name : *Scarus spp.*
French : Scare ghobhan
Japanese : Budai
Spanish : Vieja

Gear used : Trap fishery
Peak season : Throughout the year
Distribution : East coast of India
Areas of abundance : Gulf of Mannar

CATLA



Trade Name : Catla
Scientific name : *Catla catla*

Gear used : Gill nets
Peak season : July to August
Distribution : India, Pakistan, China, Sri Lanka
Areas of abundance : Ganges & its tributaries, Brahmaputra etc.

DOLPHIN FISH



Trade Name : Dolphin Fish
Scientific name : *Coryphaena hippurus*
French : Coryphene
Japanese : Shiira
Spanish : Dorado

Gear used : Hook & line, seines
Peak season : December to April
Distribution : North-West and South-East coasts of India
Areas of abundance :

WHITE SPOTTED SPINE FOOT



Trade Name	:	White Spotted Spine Foot
Scientific name	:	<i>Siganus canaliculatus</i>
French	:	Sigan pitade
Japanese	:	Shinofuri aigo
Spanish	:	Sigano pintado

Gear used	:	Shore seines, Bottom trawls, set traps
Peak season	:	August
Distribution	:	Indo-West Pacific
Areas of abundance	:	Kerala, Lakshadweep, Tamil Nadu

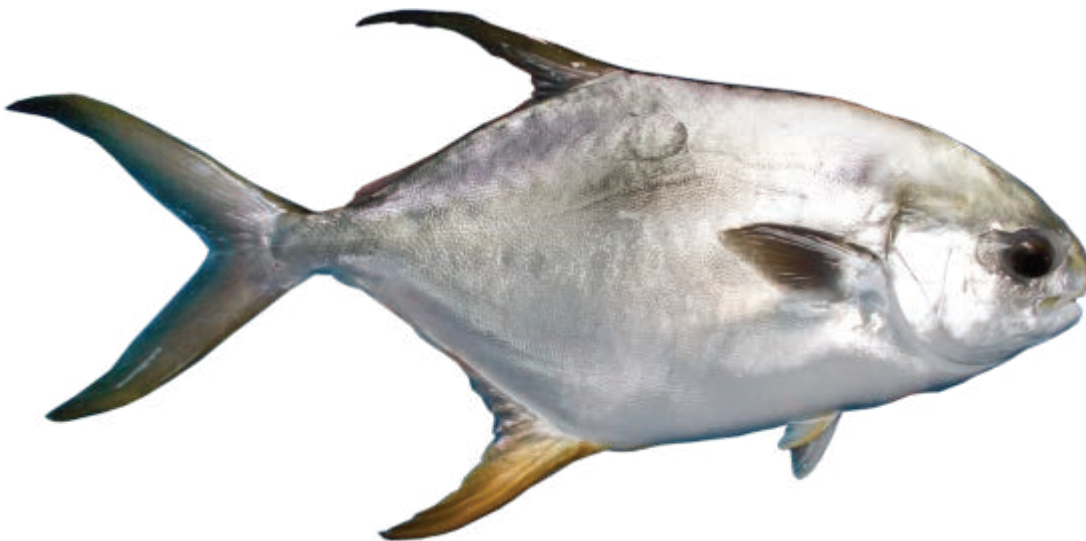
JELLY FISH



Trade Name : Jelly Fish
Scientific name : *Rhopilema sp.*
French : Medsue
Japanese : Kurage

Gear used : Trawl net, Gill net and Scoop net
Peak season : March to June
Distribution : East and West coasts of India
Areas of abundance : Tamil Nadu and Kerala coasts

SILVER POMPANO



Trade Name : Silver Pompano
Scientific name : *Trachinotus blochii*
French : Pompano
Japanese : Kobanaji
Spanish : Palometa

Gear used : Cast net, Dip net
Peak season : Throughout the year
Distribution : Indo pacific region

GIFT



Trade Name	:	GIFT-Genetically Improved Farmed Tilapia
Scientific name	:	<i>Oreochromis niloticus</i>
French	:	Tilapia du Nil
Japanese	:	Chikadai
Spanish	:	Tilapia del Nilo

Gear used	:	Cast net, Dip net
Peak season	:	Throughout the year
Distribution	:	West and East Coast of India

CATCH COMPOSITION OF MARINE FISH LANDINGS

PELAGIC FISHES

ANCHOVIES
BARRACUDA
BOMBAY DUCK
CARANGIDS
HILSA
MACKEREL
OIL SARDINE
RIBBON FISH
SEER FISH
TUNA
COBIA

DEMERSAL FISHES

CAT FISH
CROAKERS
EELS
ELASMOBRANCHS
FLAT FISHES
POMFRETS
PERCHES

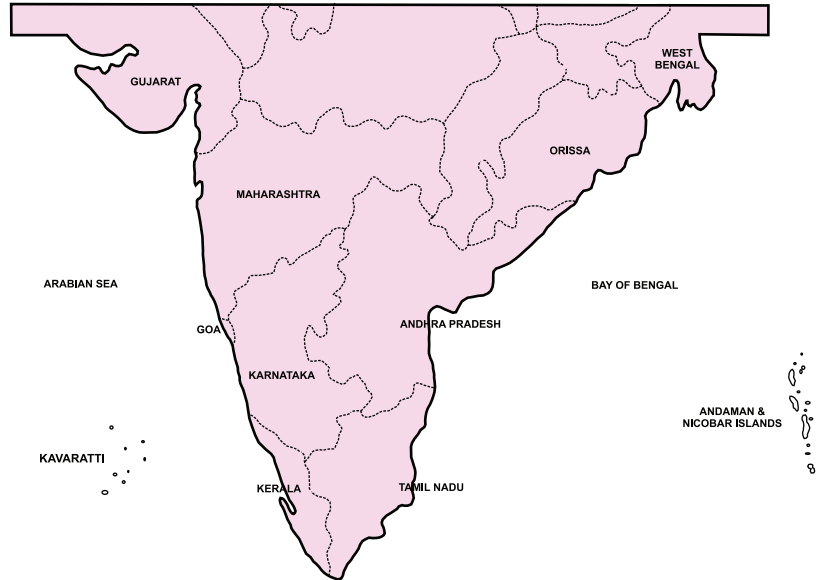
CRUSTACEANS

SHRIMPS
CRABS
LOBSTERS
STOMATOPODS

MOLLUSCS

SQUID
CUTTLEFISH
OCTOPUS
CLAMS
OYSTERS
MUSSELS

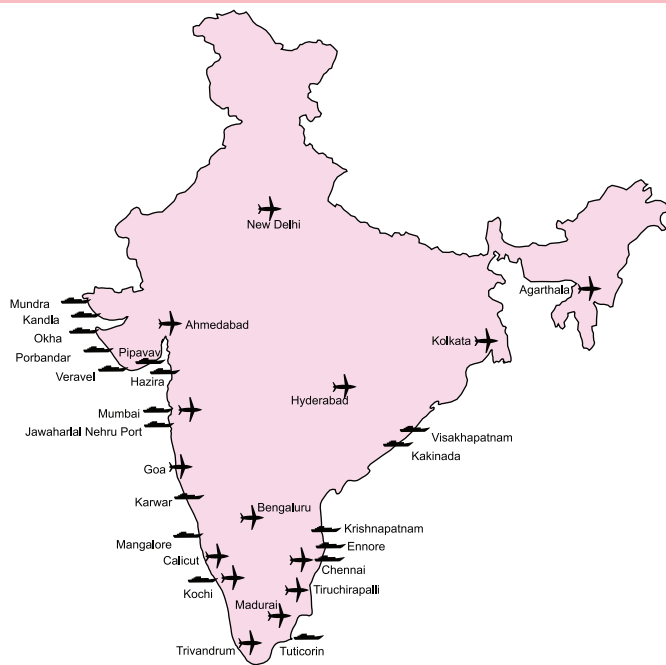
MARITIME STATES OF INDIA



MAJOR FISHING HARBOURS



EXPORT ORIENTED SEAPORTS & AIRPORTS IN INDIA



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