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## Availability of commercially important of marine fin fish and shell fish along Okha fish landing center, Gujarat

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### Abstract

Investigation on availability of commercially important marine fin fish and shell fish along Okha fish landing center, Gujarat was carried out during Jan 2011 to Dec 2011. On site sampling of marine fin fish and shell fish species were fort-nightly from Okha fish landing center. Total number species 89 fishes and 24 shell fishes were identified and recorded. The local name of fin fishes and shell fishes has been recorded as per locally known.

**Keywords:** Marine fin fishes, Shell fishes, Okha fish landing center, Gujarat

### Introduction

Very often fishery businessmen and workers seek information on the scientific and local names of commercially important fishes and shell fishes in the different regions in connection with their trade. Any fish processing plant depend on raw material availability. So, it is necessary to have knowledge about its identification and availability of fish species in particular region. In Gujarat, Saurashtra coastal belt is replete with fisheries activity related to marine fish capture, mostly by fisher community living on fish and fisheries activity (Gohel *et al.*, 2012) [2]. Gujarat state supplied to other state and other EU & Non- EU Country of Finfish, shrimp and Cephalopods varieties. Global demand for sharks and rays derived products (Johri *et al.*, 2019) [3]. Local names of fishes collected from Solanki (2013) document.

### Experimental Details

- **Collection of fish:** On site sampling of marine fin fish and shell fish species fort-nightly from Okha fish landing center.
- **Identification of fish:** Identification of fish species using FAO species identification sheet (FAO, 2006).

### Results

Survey of fin fish and shell fish were done from January to December 2011 at Okha fish landing center. Experiment was not carried out during closed season from 15<sup>th</sup> May to August 2011. Scientific name, English name and local name of fish and morphometric characters keys of fish identification were recorded. Around 113 finfish and shell fish species of different genera were recorded during the periodic sampling (January 2011 to December 2011). Seasonal availability of finfish and shellfish at Okha fish landing centre is listed in Table 1.

**Table 1:** Finfish and Shell fish availability at Okha fish landing centre. [Note: (+): Available; (-): Non available ]

	Scientific name	English name	Local name	Jan 11	Feb 11	Mar 11	Apr 11	May11	Sep11	Oct 11	Nov11	Dec 11
<b>Pomfret</b>												
1	<i>Pampus argenteus</i>	Silver pomfret	Paplet	+	+	+	+	+	+	+	+	+
2	<i>Pampus chinensis</i>	Chinese pomfret	Kafari	-	+	+	+	-	-	-	+	+
3	<i>Formio niger</i>	Black pomfret	Halavo	+	+	+	+	+	+	-	+	+
<b>Shrimp</b>												
4	<i>Solenocera crassicornis</i>	Coastal mud prawn	Lal	+	+	+	+	+	+	+	+	+
5	<i>Parapenaeopsis stylifera</i>	Kiddi prawn	Tiny	+	+	+	+	+	+	+	+	+
6	<i>Metapenaeus affinis</i>	Indian prawn	Medium	+	+	+	+	+	+	+	+	+
7	<i>Metapenaeus monoceros</i>	Kutch prawn	Kapasi	-	-	+	+	+	+	-	-	-
8	<i>Penaeus indicus</i>	Speckled prawn	White	-	+	+	+	+	-	-	+	+
9	<i>Penaeus monodon</i>	Indian white prawn	Kabara/Tiger	+	+	+	+	+	+	-	+	+
10	<i>Penaeus semisulcatus</i>	Tiger prawn	Flower	-	+	+	+	+	+	+	-	-
11	<i>Penaeus japonicus</i>	Flower prawn	Medium patta	-	-	+	+	+	-	-	-	-
12	<i>Parapenaeopsis sculptilis</i>	Rainbow prawn	Patta	-	+	+	+	-	-	+	+	+
13	<i>Exhippolysmata ensirostris</i>	Hunter shrimp	Dodi	+	+	-	-	-	+	+	+	+
14	<i>Acetes indicus</i>	Paste shrimp	Javalo	+	+	+	+	-	-	-	-	-
<b>Ribbon Fish</b>												
15	<i>Lepturacanthus savala</i>	Silver ribbonfish	Silver Baga	+	+	+	+	+	+	+	+	+
16	<i>Trichiurus lepturus</i>	Grey head hair tail	Black Baga	+	+	+	+	+	+	+	+	+
17	<i>Eupleurogrammus muticus</i>	Small head hair tail	Rasi	+	+	+	-	-	-	-	-	-
<b>Mackerel</b>												
18	<i>Rastrelliger kanagurtra</i>	Indian mackerel	Malbari Bangandi	+	+	+	+	+	+	+	+	+
19	<i>Megalaspis cordyla</i>	Horse mackerel	Bangada	+	+	+	+	+	+	+	+	+
<b>Thread Fins</b>												
20	<i>Polynemus tetradactylus</i>	Four finger thread fin	Dara	+	+	+	+	+	+	+	+	+
21	<i>Polynemus indicus</i>	Indian thread fin	Rawas	+	+	+	+	+	+	-	-	-
22	<i>Polynemus heptadactylus</i>	Seven finger thread fin	Sheri	-	+	+	+	+	+	-	-	-
<b>FLOUNDER</b>												
23	<i>Pseudorhombus arsius</i>	Large toothed flounder	Khetar	+	+	+	+	+	+	-	-	-
24	<i>Psettodes erumei</i>	Indian halibut	Hariyo	+	+	+	+	+	+	-	-	-
<b>TUNA</b>												
25	<i>Euthynnus affinis</i>	Little tuna	Gedara	+	+	+	+	+	+	-	-	-
26	<i>Auxis thazard</i>	Frigate mackerel	Gedari	+	+	+	+	+	+	-	-	-
27	<i>Katsuwonus pelamis</i>	Skipjack tuna	Potala	+	+	+	+	+	+	-	-	-
28	<i>Thunnus albacarus</i>	Yellow fin tuna	Vir gedara	+	+	+	-	+	+	+	+	+
29	<i>Thunnus toggol</i>	Long tail tuna	Serava	+	+	+	+	+	+	-	-	-
30	<i>Thunnus obesus</i>	Big eye tuna	Serava	+	+	+	+	+	+	-	-	-
<b>Cephalopods</b>												
31	<i>Sepia pharaonis</i>	Cuttlefish	Makul	+	+	+	+	+	+	+	+	+
32	<i>Sepia aculeata</i>	Needle cuttlefish	Dedaka	+	+	+	+	+	+	+	+	+
33	<i>Sepia prasadi</i>	Cuttle fish	LB ( Long Bone)	+	+	+	+	+	+	-	-	-
34	<i>Sepiella inermis</i>	Spineless cuttlefish	Goti	+	+	+	+	+	+	+	+	+
35	<i>Loligo duvaucelli</i>	Squid	Narsinga	+	+	+	+	+	+	+	+	+
36	<i>Doryteuthis sibogae</i>	Needle Squid	Nidal	-	-	+	+	+	+	-	-	-
37	<i>Octopus globosus</i>	Octopus	Salak	+	+	+	+	+	+	-	-	-
<b>Lobster</b>												
38	<i>Penulirus polyphagus</i>	Rock lobster	Titan/Hakam	+	+	+	+	+	+	+	+	+
39	<i>Thenus orientalis</i>	Sand lobster	Kaka	+	+	+	+	+	+	-	-	-
<b>Shark</b>												
40	<i>Carcharhinus limbatus</i>	Black tip shark	Magara	+	+	+	+	+	+	+	+	+
41	<i>Scoliodon laticaudus</i>	Spadenose shark	Sandho	+	+	+	+	+	+	-	-	-
42	<i>Sphyrna lewini</i>	Hammer head shark	Nathiyo	-	-	+	+	-	-	-	-	-
43	<i>Mustelus mosis</i>	Arabian smooth hound	Bokha	-	-	+	+	-	-	-	-	-
<b>Lizard fish</b>												
44	<i>Saurida tumbil</i>	Greater lizard fish	Bhungar	+	+	+	+	+	+	+	+	+
45	<i>Saurida undosquami</i>	Brush tooth lizard fish	Bhungar	+	-	-	+	+	+	+	+	+
46	<i>Saurida longimanus</i>	Long fin lizard fish	Pencil bhungar	+	-	-	-	+	+	+	+	+
47	<i>Trachinocephalus myops</i>	Bluntnose lizard fish	Patta bhungar	-	-	-	-	+	+	+	+	+
<b>Croaker</b>												
48	<i>Johnius dussumieri</i>	Bearded croaker	Mathara dhoma	+	+	+	+	+	+	+	+	+
49	<i>Otolithes cuvieri</i>	Lesser tooth croaker	Silver dhoma	+	+	+	+	+	+	+	+	+
50	<i>Otolithes ruber</i>	Tiger tooth croaker	Mausambi dhoma	-	-	+	+	+	+	-	-	-
51	<i>Otolithes biaruitus</i>	Bronze croaker	Goyani	+	+	+	+	+	+	+	+	+
52	<i>Nibea maculata</i>	Blotched croaker	Babar	+	+	+	+	+	+	-	-	-
53	<i>Protonibea diacanthus</i>	Jew fish	Ghol	-	+	+	+	-	+	+	+	+



103	<i>Remora remora</i>	Sucker fish	Meghar	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+	+
104	<i>Terapon jarbua</i>	Jarbua terapon	Krokar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
105	<i>Gerres filamentosus</i>	Whipfin majorra	<i>Tondyu</i>	-	-	+	+	+	+	-	-	-	-	-	-	+	+	+	+	+
106	<i>Drepane punctata</i>	Spotted sicklefish	<i>Dafaniyo</i>	+	+	+	-	+	+	+	-	-	-	-	+	+	+	+	+	+
107	<i>Lutjanus johni</i>	Golden snapper	<i>Raja</i>	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	+	+
108	<i>Nemipterus japonicus</i>	Thread fin breams	Lal Machhala, <i>Lal pari</i>	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+	+
109	<i>Priacanthus hamrur</i>	Bull's eye	Dorara	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+	+
110	<i>Upeneus sulphureus</i>	Yellow goat fish	Khota Lal Machhala	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+	+
111	<i>Aluterus monoceros</i>	Unicorn leatherjacket	Gagida/Champal	+	+	+	+	+	-	+	-	-	-	-	+	+	+	+	+	+
112	<i>Trachinotus blochii</i>	Pompano	Duplicate Paplet	-	-	+	+	-	-	-	-	-	-	-	-	+	+	+	+	+
113	<i>Sillago sihama</i>	Silver sillago	Gomati	+	+	+	+	+	+	-	-	-	-	-	+	+	+	+	+	+

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