51 *Panulirus polyphagus* Mud spiny lobster Kadal konchu 300 g WFM
52 *Panulirus ornatus* Ornate spiny lobster Kadal konchu 500 g WFM
53 *Thenus unimaculatus* (=*T. orientalis*) Sand lobster Adippam 150 g WFM

**Major Molluscan Stocks**
54 *Uroteuthis photololigo duvauceli* Indian squid Koonthal Olakanava 8 DML MSM
55 *Sepia pharaonis* Pharaoh cuttlefish Kallan kanava 11 DML MSM
56 *Amphioctopus neglectus* Ocellate octopus Neerali Kinavalli 5 DML MSM
57 *Paphia malabarica* Short-neck clam Kalli kakka 2 APM SFM
58 *Villorita cyprinoides* Black clam Karutha kakka 2 APM SFM

**Abbreviations**
TL - Total Length
FL - Fork Length
SL - Standard Length
CW - Carapace width of crabs
DW - Disc width of rays
DML - Dorsal Mantle Length in the case of cephalopods
APM - Anterior Posterior Measurement or length of bivalves
SFM - Size at first maturity or the size of the smallest mature fish
WFM - Weight at first maturity or the weight of the animal where 50% of the fishes are mature
MSM - Minimum size at maturity or the size of the smallest mature fish

Accidental catch of Long-snouted Spinner Dolphin, *Stenella longirostris* (Gray, 1828) at Dummulapeta, Andhra Pradesh

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Landing of Long-snouted Spinner Dolphins were reported at Dummulapeta landing centre of Andhra Pradesh from 11.06.2012 to 12.06.12 and on 21.07.12. A total of five number of spinner dolphin were caught accidentally in gill net locally known as Panduvala and Naravala which was operated at a depth of 18-25m by moorised gillnetter, 20 km away from shore. The total length and weight of the species are ranged from 101 cm to 157 cm and 8 kg respectively. The meat of dolphin is being used
as bait by fishermen of this region for hook and line fishing of sharks and tuna.

The species is characterized by slender body with an extremely long, thin beak. The head is also slender at the apex of the melon. The dorsal fin slightly falcate and triangular in shape. The tail stock is deepened, with an elongated post-anal keel of connective tissue. The species generally have tripartite color patterns. The dorsal area is dark gray, side is light gray and underside is white. There is a dark band runs from the dark eye to the flipper, bordered above by a thin, light line. The total numbers of teeth on upper and lower jaw are 42-45 respectively.

The species is listed in Appendix II of CITES (Convention on Interventional Trade in Endangered Species of Wild Flora and Fauna) and CMS (Convention on Migratory Species).

Evolution in fishing crafts and gears of the Saurashtra coast

Veraval Regional Centre of CMFRI, Veraval

Veraval regional centre
Saurashtra coast is situated in the Southwestern part of Gujarat which covers the coastal districts of Porbandar, Junagadh, Rajkot, Dwarka, Bhavanagar, Jamnagar, Amreli, and newly formed Gir somnath. From 1967 to till date there was marked improvement in the fisheries sector of this region. In 1967, trawling was introduced and since then the number of trawlers has increased from 900 to 10,000 (CMFRI, 1978) along the coast.

Crafts used along Saurashtra coast
Trawlers
Trawlers made up of wood are locally known as “halvalii” boat having OAL of 12-16 m with engines of 88-118 hp using nets with a cod mesh size 15-40 mm. Most of the trawlers go for multiday fishing up to 15 days operating along the coast at a depth range of 20-150 m. In 1980s the depth of operation was 20-60 m (Rao and Kasim, 1985). The fishing vessels are operated both northward up to Okha, sometimes in the areas of Kachh and southward off Veraval extending its ground up to Karnataka and Goa. The season of operation starts in September after the 45 days ban from June to August. The cost of a trawler is 25-30 lakhs.

Gillnetters
OBM (Hodi)
The FRP boats of OAL 8-11 m locally known as “hodi” are operated at a depth of 10-50 m along the coast. They are equipped with outboard motor engines. Each boat carries two engines when they go for long trip fishing as a safety measure. They operate in Veraval, northward off Veraval towards Mangrol and Porbandar and southward towards