



# समुद्री मात्स्यकी सूचना सेवा

## MARINE FISHERIES INFORMATION SERVICE

No. 130

JULY 1994



तकनीकी एवं TECHNICAL AND  
विस्तार अंकावली EXTENSION SERIES

केन्द्रीय समुद्री मात्स्यकी CENTRAL MARINE FISHERIES  
अनुसंधान संस्थान RESEARCH INSTITUTE  
कोचिन, भारत COCHIN, INDIA

भारतीय कृषि अनुसंधान परिषद  
INDIAN COUNCIL OF AGRICULTURAL RESEARCH

## **A NOTE ON THE INTRODUCTION OF DOUBLE NET ALONG SOUTH MALABAR COAST\***

The introduction of out board engines in the recent past has changed the face of the traditional fishing activities. This modified the shape and structure of many existing crafts and gears. One of the significant out come is the facility to drag or pull the net through the water by the country crafts with the aid of out board engines, which was unimmaginable to the traditional fishermen until recently.

The latest in this generation is the 'Double net'. The 'double net' is the modified form of 'Disco vala', the 'minitrawl'. Here two crafts each fitted with out board engines with a capacity of 7 HP are engaged in operating one net. Locally this is also known as 'Pothen vala'.

The total length of the 'Pothen vala' is about 14 metres. The width is about 8 metres. Unlike Disco net otter boards are not used in double

---

\*Prepared by : T. Girijavallabhan, Calicut Research Centre of CMFRI, Calicut - 673 005.

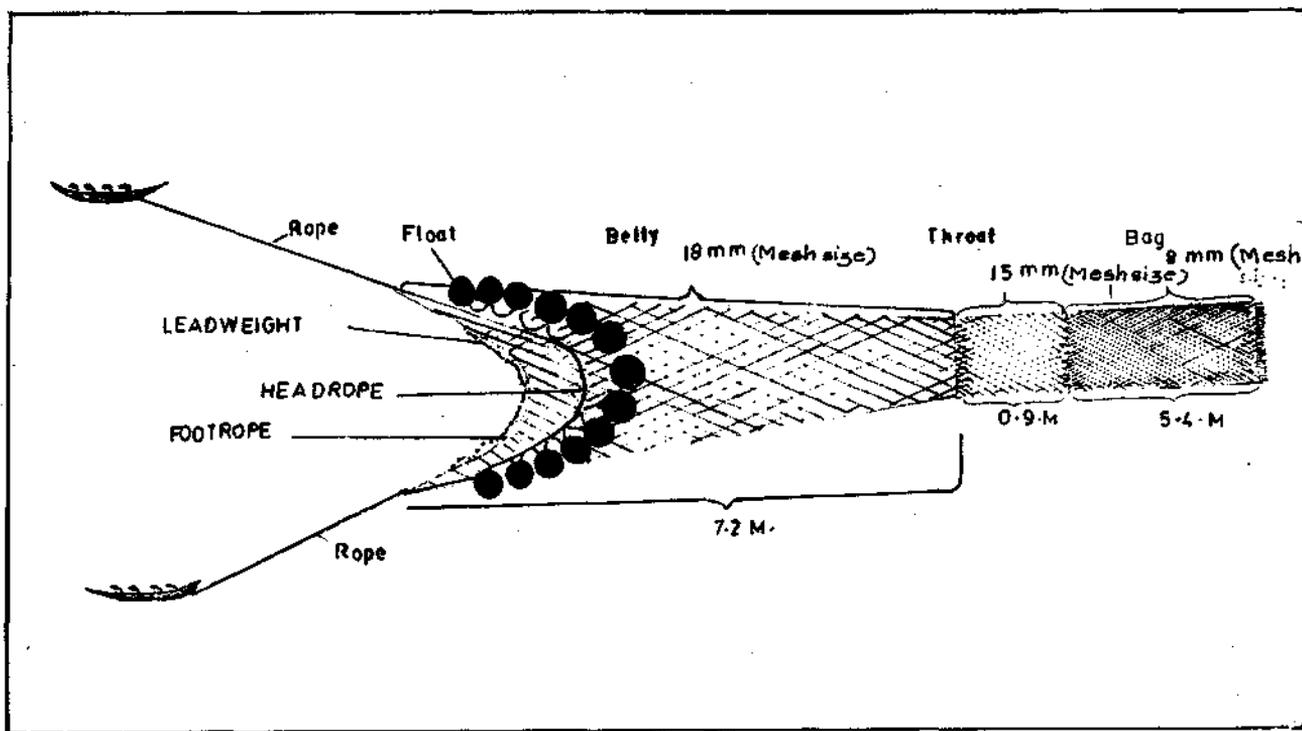


Fig. 1. Double net.

nets, instead lead weights of about 5 kg are attached to the foot rope. Thirteen aluminum floats are attached to the head rope at regular intervals as shown in the diagram. Nylon ropes of desired length as per depth are used in the place of wire ropes of trawlers.

The first part of the net called the belly extends upto 7.20 metres. Here the mesh size is 18 mm. The second part of the net called 'throat' has a length of 0.9 metres with a mesh size of 15 mm. The cod end of the net is called bag and has a length of 5.4 metres with a mesh size of 8 mm.

The net can be operated at different levels of water column adjusting the number of floats and weights. Usually the net is operated during the period from July to October within 15 metres of depth.

The catches include *Parapenaeopsis stylifera*, *Metapenaeus dobsoni*, *Penaeus indicus*, *Cynoglossus macrostomus*, *Otolithus ruber*, *Stolephorus batawienris*, *Carangoides malabaricus* etc. The average cost of one net is about Rs. 3000/-. The net is made of nylon.