

ICAR-CIFT  
**COLLAPSIBLE  
FISH TRAP**

Advantages

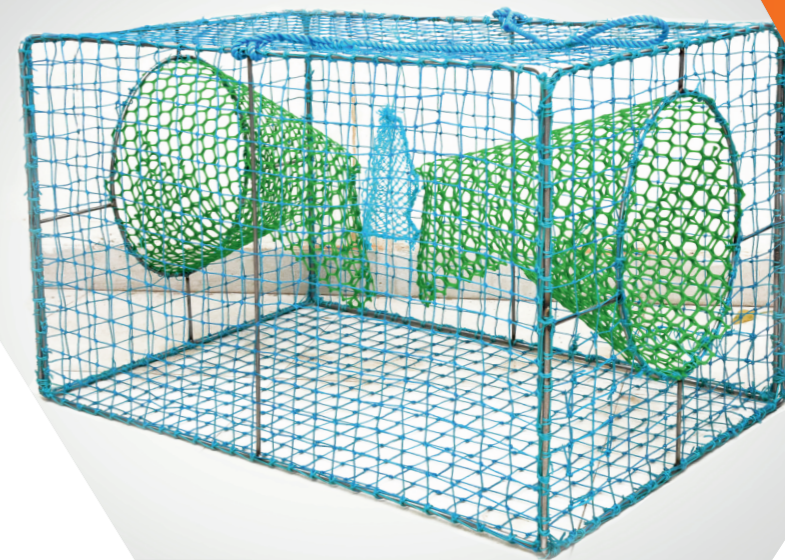
- The design of the collapsible trap is simple and any fisherman can adopt the technology.
- The trap is 40% lighter in weight than the conventional traps.
- A fisherman can transport and operate several units in a canoe.
- Durability of the collapsible fish trap is estimated to be 3-4 times more than the conventional traps.
- Collapsible fish trap costs only 50% of the conventional bamboo traps.
- Smart choice against ghost fishing: Collapsible traps can be made ecofriendly by using biodegradable materials like cotton in selected portion and can contribute in reducing ghost fishing.



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Doubling  
Fishermen's  
Income



## ICAR-CIFT COLLAPSIBLE FISH TRAP

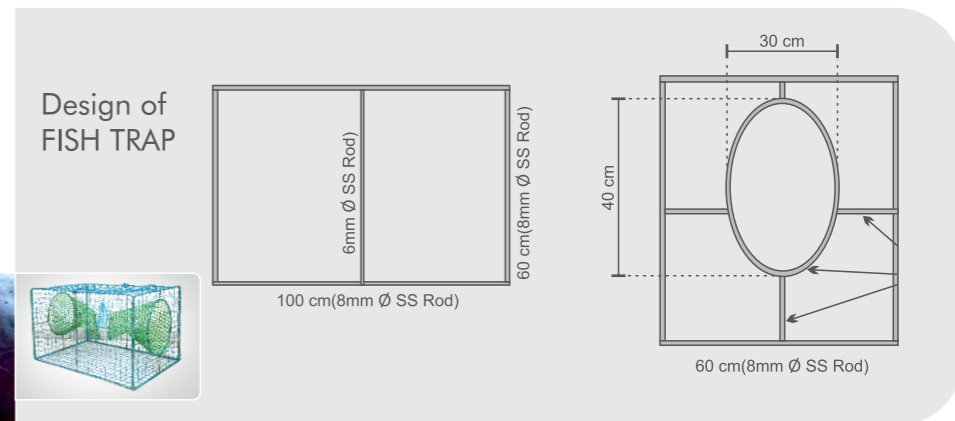
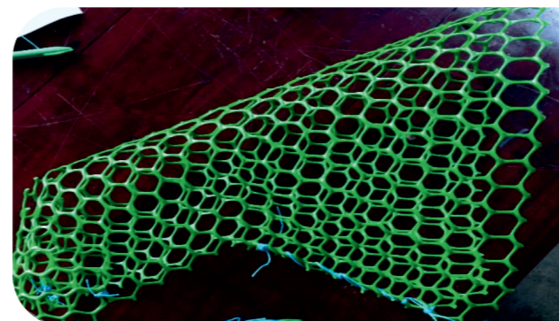
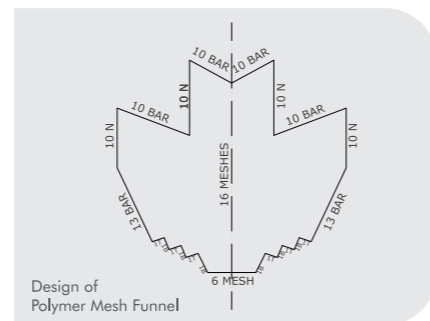
In India different types of indigenous fish traps and pots are in operation in the rivers, lakes, estuaries and backwaters. Traditional traps made of bamboo and other natural materials have inherent drawbacks like short life span, difficulties in handling due to huge size and only skilled people can fabricate these traps. These traps are laid without any bait and it is hauled after 24-48 h. Since, the average fish catch per day from the traps are less than 1kg, fishermen cannot depend on this for their livelihood.

*CIFT has designed a new collapsible fish trap for doubling the income of traditional fishermen operating traps*

### DESIGN DETAILS

The fish trap is made with two rectangular stainless steel frames (SS) of 1.0 x 0.60 m size and two square frames of 0.6 x 0.6m size. The two side frames are covered with high density poly ethylene (HDPE) netting with 80 mm mesh size and 1.25 mm dia.

Entrance funnels of the traps are made of polymer mesh netting with tapering rate shown in the diagram. A 4 mm diameter PP rope is attached at the center of the upper frame with a float attached at the other end for locating and retrieving the trap. Approximate cost of the new trap is ₹3000.



### TRAP OPERATION

Traps can be set during day or night. Hauling is carried out after 2-3 days soaking. Once it is set, the fishermen can operate other fishing gears since continuous attention is not required.

Traditional fish traps operated in the selected region are heavy, easily degradable and maximum 2-3 traps can be transported as they are large in size and non-foldable. Whereas several CIFT-Collapsible Traps can be transported and operated using a small canoe, as the traps are foldable, which will help the fishermen to double their daily fish catch and income.

**BAIT USED IN TRAP:** Chicken, fish & prawn waste.

**TARGET SPECIES:** *Etroplus suratensis*, *Lutjanus argentimaculatus*, *Lates calcarifer*, *Epinephelus sp.* & *Scylla serrata*.



Step forward

Traps need to be popularised among artisanal fishermen by organising training programmes to double their income.