

3. Catches only marketable size of fish in the net which fetches better price.
4. Good eye appeal to the large size of fish retained in the catch.
5. Promote sustainable fishing by allowing juvenile to escape and grow.
6. Less diesel consumption for pulling the net and save around 1300 rupees per day per boat.
7. Can save around 1.3 lakh rupees per 100 days of active fishing days yearly by each vessel.
8. Nets will not be damaged much as in the case of diamond meshed cod ends

What needs to be done?

1. Use square mesh cod ends in trawl nets
2. Save diesel, time and juvenile fishes
3. Promote sustainable fishing

'Today's juveniles are tomorrow's wealth'

'Square mesh cod ends for sustainable fishing'

'Become part of sustainable fishing and be proud of what you do'



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**SQUARE MESH
COD ENDS FOR
SUSTAINABLE
FISHING**



NETFISH

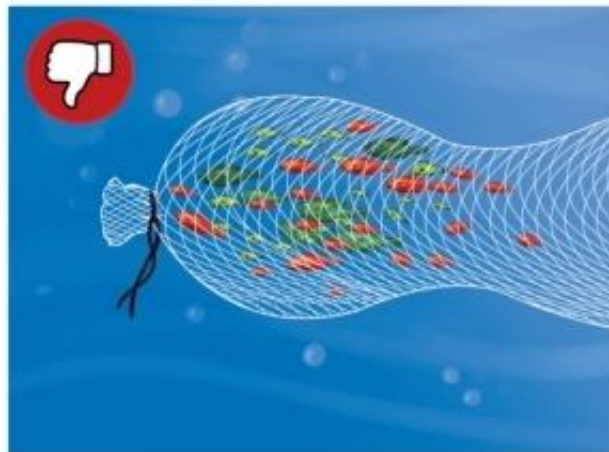


MPEDA

We have been using diamond meshed fishing nets since ages. Though square mesh nets has many advantages in fishing particularly in the escapement of juvenile fishes, fuel saving etc., it has not been attracted by fishers by unknown reasons. In an experimental study conducted by NETFISH-MPEDA, it has been found that Square mesh cod ends are quite economical for trawling than diamond mesh cod ends.

While using diamond mesh cod ends

1. Diamond mesh will shrink to mere minimum size by the pulling pressure on rope and thereby all kinds of fish, juveniles and sub adults of all kinds of organisms will be entangled in the net.
2. The clogging of nets demand more power to pull the net further and it ends up in more diesel consumption.
3. Large amount of juveniles and sub adults of economically important and unimportant fish and other biota are killed thus upsetting the balance of the ecosystem.
4. More by-catch in the cod end consume much time in the sorting of the catch on- board.



Results of the study

1. Save 2 litres diesel per hour while using square mesh cod ends and thereby gets saving of around 1300 rupees per day and 1.3 Lakh rupees per year (in 100 active fishing days) by each boat.
2. All juvenile fish and other biota can be escaped through square mesh which reduces the by-catch in trawl.
3. Fishes of market size only are retained in cod ends while using 25 mm square mesh in cod ends.
4. No much damage to the fish in cod ends as there is little by-catch.

5. Less sorting time of the catch.
6. Since little by-catch in the cod ends, pulling pressure needed is less and thereby save the engine from damages.
7. Good eye appeal to the fish in cod ends since all are in the marketable size group with minimum by-catch.

While using square mesh cod ends

1. Cod ends will not shrink while dragging and therefore juveniles and sub adults can escape through the open meshes.
2. Does not catch by-catch comprising the juveniles and sub adults of commercially important and less important fish and other biota in the sea.

