

ICAR- CIFTEQ® Insulated Fish Bags

Salient features

- Insulated fish bags in different designs for convenient and hygienic transportation of fish and fish products.
- Outer water proof covering minimizes the seepage of melt ice water, does not allow water from outside to enter into the bag.
- The middle layer helps in slowing the melting of ice, thereby maintaining the lower temperature required for preserving the quality of iced-fish.
- The inner polythene layer prevents the contact of fish with the insulated middle layer thereby maintaining the quality of fish and makes the bag easy to wash.

Advantages

- By storing the fish in these insulated bags along with ice (1:1 ratio of fish: ice), the fish is maintained in fresh condition for the whole marketing/transport time (maximum 6 hours duration).
- The fish bags are reusable.
- No flies, no off-odour and dust contamination
- Less weight, foldable, easy for transportation and storage.

Specifications

- Different models of fish bags with 2 kg to 20 kg fish carrying capacity were designed.
- Models include regular bag model, cylindrical model and backpack model.
- The back model of fish bag has a height of 20” (50.8cm) and a diameter of 17” (43cm) and weighs 1.18 kg.
- A plastic plate is provided at the base for bearing the weight of the contents placed in the bag



Machine developed by

B. Madhusudana Rao, Viji, P., Jesmi Debbarma, Khasim, D.I., Chattopadhyay, A.K.
ICAR-Central Institute of Fisheries Technology (ICAR-CIFT)
Email: bm.rao@icar.gov.in

Year

2011, 2017

Price / Unit

Rs 1200 to Rs 3000 depending on the model of the insulated fish bag

More information**Status of commercialization / Patent / Publication**

ICAR-CIFT has transferred the technology for the manufacturing of insulated fish bags through a Memorandum of Agreement in to Mr Pentapalli Rambabu, Tailor, 21-151/5, Ganneruveedhi, I-Town, Visakhapatnam-530001.

Publications:

1. Madhusudana Rao, B., Viji, P. and Jesmi Debbarma (2017). Back Pack Model of CIFT- Fish Bag. *Fishtech Reporter*, 3(2): 29-30
2. Insulated fish bags for preserving quality of iced-fish by D. I. Khasim, B. Madhusudana Rao and A.K. Chattopadhyay (Application number: 4345/CHE/2011) Date of filing of Application :13/12/2011; Publication Date : 14/06/2013; The Patent Office Journal 14/06/2013 page 13011.