
ICAR- CIFTEQ[®] Ciftdry SHD-20 - Solar Dryer With Electrical Backup -20 Kg

Salient features

➤ Solar as main source of heat energy and electrical heating element as a backup heat source for continuous drying operations even under unfavorable weather conditions, i.e during cloudy/ rainy days and night.

➤ Ideal for drying of fish, fruits, vegetables, spices and agro products

Advantages

✓ Hygienically prepared premium quality uniformly dried product

✓ Economically viable and eco-friendly – maximum use of solar energy

✓ Lesser operating expenses

Specifications

Loading capacity: 20 kg

Alternate energy back up: Electrical

Drying time: 6-8 h



Machine developed by

The Director

ICAR-Central Institute of Fisheries Technology

Willingdon Island, Cochin – 682029, Kerala

Email: aris.cift@gmail.com

Year

2013

Price / Unit

Rs. 1,50,000/-+GST

More information

Status of commercialization / Patent / Publication

- Murali, S, Manoj P Samuel, Aniesrani Delfiya, D.S, Alfiya, P.V. 2017. CIFT dryers for value addition; Affordable, Energy efficient and Eco-friendly. Kerala

Karshakan, 4(11): 30-32

- Murali S, Manoj P Samuel, Aniesrani Delfiya D.S, Alfiya P.V. 2017. CIFT dryers for value addition; Affordable, Energy efficient and Eco-friendly. Smart Agri Post, May 2017, 35-37
- Fasludeen, N.S., Murali, S., Manoj P. Samuel, George Ninan. and Joshy, C.G. 2018. Evaluation of Drying Characteristics of Selected Fishes in Dryers developed by ICAR-CIFT. Fishery Technology. 55(1): 68-73
- Alfiya, P.V and Manoj P. Samuel. 2017. Solar dryers for fishes. Karshakasree, June 2017.
- Fasludeen N.S., Manoj P. Samuel, Murali S. and George Ninan. 2017. Study on drying of fishes using CIFT dryers. Fish Tech Reporter 3(1), January-June 2017.pp.33-34.
- Aniesrani Delfiya, D.S. and Murali, S. (2017) Malivaana Seyalthiran Mikka Matrum Sutrusoolalukku Ugantha CIFT Meen Ularthigal (in Tamil). Meenvalasudar. 05(01): 40-42
- Manoj P. Samuel, Murali,S., Aniesrani Delfiya, D.S and Alfiya P.V. 2018. Low cost, energy efficient and eco-friendly ICAR-CIFT fish dryers for preservation and value addition (Brochure in English), ICAR- CIFT, Cochin.
- Manoj P. Samuel, Alfiya P.V., Murali,S., Aniesrani Delfiya, D.S and Shyma, P.K. 2018. ICAR-CIFT fish dryers (Brochure in Malayalam), ICAR- CIFT, Cochin.
- Manoj P.Samuel, Murali,S., Aniesrani Delfiya, D.S and Alfiya P.V. 2018. Cost effective, energy efficient and eco-friendly ICAR-CIFT dryers for preservation and value addition (Brochure in Hindi), ICAR- CIFT, Cochin.
- Alfiya, P.V., S. Murali, D. S. Aniesrani Delfiya and Manoj P. Samuel. 2018. Empirical Modelling of Drying Characteristics of Elongate Glassy Perchlet (Chandanama) (Hamilton, 1822) in Solar Hybrid Dryer. Fishery Technology. 55 (2018): 138 – 142.