Pellet Fish Feed

Prepared by
Dr. Zynudheen A A
Dr. L.N. Murthy
Dr. Jeyakumari A.

Designed by
Smt. Sangeeta Gaikwad
Smt. Priyanka Nakhawa
Dr. Girija Behere

For further information, please contact
The Director
ICAR-Central Institute of Fisheries Technology
CIFT Junction, Matsyapuri P.O.
Willingdon Island, Kochi-682 029
Phone: 91 (0) 484-2412300
Fax: 91 (0) 484-2668212
Email: cift@ciftmail.org

Mumbai Research Centre of
ICAR- Central Institute of Fisheries Technology
CIDCO Admn. Bldg., Sector-1, Vashi,
Navi Mumbai-400 703
Email: ciftmum@gmail.com

2019
**Pellet Fish Feed**

**Introduction**

There is a growing demand for pellet feeds, due to the increase in aquaculture activity. A significant portion of costs in the sector is for feed. The cost of feed production can be cut down by utilizing the waste generated from nearby fish markets. Apart from this, trash and juvenile fish from the landing centers can also be used as raw materials for pellet feed production. The technology of feed processing has undergone substantial improvement in recent years from simple hand mixing to the nutritionally balanced pellet feeds available in the market today.

**Pellet fish feed production based on fish waste**

ICAR-CIFT has been working on technologies for production of low-cost alternatives to commercial feeds using locally available ingredients. The feed ingredients used are rice bran powder, soya powder, wheat powder, corn flour along with fish waste producing low cost fish pellet feeds using small indigenous machinery like grinding/pasting machine, ingredient mixing machine, cooking device and pelletizer etc. The fish pellet feed production process starting from receiving the raw material to finished products is given as flow chart.

**Flow chart of fish pellet feed production of ICAR-CIFT**

**Future Scope**

An improved method of feed production from fish waste has been worked out by ICAR- CIFT is comparable to commercial feeds in terms of its quality. This method can be easily implemented at the fish farm site itself and based on the fish age and species cultured, the ingredient mixture composition and pellet feed size can be changed considerably reducing the wastage. The technology will enable the development of rural enterprises to producing affordable fish feed and also generate local employment and economic participation of rural entrepreneurs including women. The technology will improve and fish waste management and address fish waste pollution related issues.