

Technology No. 14

PROTOTYPE AUTOMATIC FEEDER FOR AQUACULTURE

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Technical details

The timer based automatic fish feeder is designed to supply food to fish / aquatic animals at appropriate time (or at regular intervals of time) in preferred quantity so as to avoid wastage of food and minimize the production of unwanted toxic pollutants like ammonia in any given aquatic system including aquaria. The automatic fish feeder is a device made up of PVC or FRP bottle / container mounted on a support structure with its mouth put upside down as shown in the figure. The container is designed to hold the pre-decided quantity of fish-feed.

Salient features of the technology

- It dispenses exact amount of feed at exact time at a designated location it is fixed
- Quantity and time specific adjustments are possible. However, prototype is designed for 2 to 10 g feed per day.
- Multiple time dispensation, causes the maintenance of feed integrity in water and may improve consumption
- Due to exactness of feed, the wastage of feed is minimized while water quality increases



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