

CATFISH HATCHERY AND REARING OF SEED UNDER THREE TIER SYSTEM

Catfish seed production is essential for species diversification in freshwater aquaculture. Catfish seed is collected naturally from paddy field or swampy areas. However, there is a big gap between supply and demand. During transportation of seed, high rate of mortality occurs due to fluctuation in water parameters like temperature, pH, dissolved Oxygen etc. CIFE has developed a new model catfish hatchery comprises of three tier rearing system.

Salient feature:

- Mature catfishes released into cemented/ fiberglass breeding circular tank for mating to obtained eggs. Under optimum environmental conditions fertilized eggs hatch within 26-28 hours.
- Hatchlings then transfer to the rearing system which comprises of three tier system
- From hatchery unit hatchlings transfer to the first-tier system, where hatchlings took 4-7 days to reach early fry.
- Followed by transferring early fry to second tier system, where early fry reach post fry stage in 7-12 days.
- Then post fry fish transferred to the third tier system where post fry grows to fingerling stage within 16 – 23 days. Fingerlings can be reared in this system for 30 days.

