

Technology No. 8

CONTROLLED BREEDING AND SEED PRODUCTION OF PENGBA, *Osteobrama belangeri* – AN ENDANGERED FISH

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Division: Aquaculture

Technical details:

Pengba, *Osteobrama belangeri* is a native fish of Myanmar and migrated to Manipur, India from River Chinwin of Burma to River Manipur. This fish remained in the river systems of Manipur and Loktak Lake and became an esteemed fish of Manipur. Pengba is 'State Fish' of Manipur and is not available in any other North Eastern States. The fish fetches very high price, ranging from Rs. 300-400/kg. It is placed under endangered category. It is herbivorous and can be utilized for control of aquatic weeds. To establish the culture of this species, desired quantity of seed is essential. The CIFE has been developed the breeding and seed rearing technologies on semi-commercial scale.

Description of Technology:

A few numbers of pengba fry were brought by CIFE from Manipur during 2006. The fry were grown to fingerling stage and portions were supplied to CIFE centre, Powarkheda and CIFE centre, Kakinada during 2007. The fingerlings were grown to adult stage. The breeding technique is similar to that of carps. The matured Pengba were successfully bred by using 'Ovatide' and 'Ovaprim' spawning agents. The females and males were simultaneously injected at the rate of 0.30 -0.40 ml and 0.20-0.30 ml per kg body weight of fish respectively. A total of more than 10 lakh spawn were produced at CIFE, Mumbai; CIFE, Kakinada Centre and CIFE, Pawarkheda Centre. Out of this, more than 4,00,000 fry and 50,000 fingerlings were supplied to the farmers of Andhra Pradesh for grow out trials. Some of the stock is maintaining at CIFE, Mumbai and its Regional Centers for undertaking breeding and seed production programmes regularly.

Technology Benefits:

As pengba, *O. belangeri* was placed under endangered category, the technology of breeding and, rearing fry and fingerlings will be helpful in conservation of natural resources and provides desired quantity of quality seed to the farmers and helps in getting better income to the growers due to its high value.



Transfer to Andhra Pradesh

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