



Welcome to Muttukadu Experimental Station of ICAR-CIBA

Experimental field station of ICAR-CIBA is located at outskirts of Chennai in Muttukadu, 26 km south from its headquarters in East Coast Road (ECR) connecting Chennai and Pondicherry. This field station was established in 1987 as one of the state of the art brackish water aquaculture research facilities in South Asia. The campus of Muttukkadu experimental station (MES), is ideally located along the banks of the Muttukadu backwaters and beach front of Bay of Bengal. The freshwater Buckingham canal from Chennai city is joining Bay of Bengal at Muttukadu and forming an estuarine ecosystem there, which act as a breeding and nursery ground for many aquatic species, a well known location for migratory birds.





The centre is instrumental in developing farmer-friendly, cost effective technologies and catering to the stakeholders of the country. Breeding of high value fishes like Asian seabass, milk fish, grey mullet, mangrove red snapper & brackishwater ornamental fishes, development of indigenous and cost effective feed for all the candidate species of brackishwater aquaculture, seed production of mud crab, biofloc based shrimp farming technology etc. are among the successful technologies developed in the centre. MES is equipped with three state of the art hatcheries (multi species finfish hatchery, Indian white shrimp (*Penaeus indicus*) hatchery and mud crab hatchery (*Scylla serrata*), a pilot scale research feed mill, wet labs for conducting experiments, well equipped laboratories, experimental pods for shrimp, fish and crab.

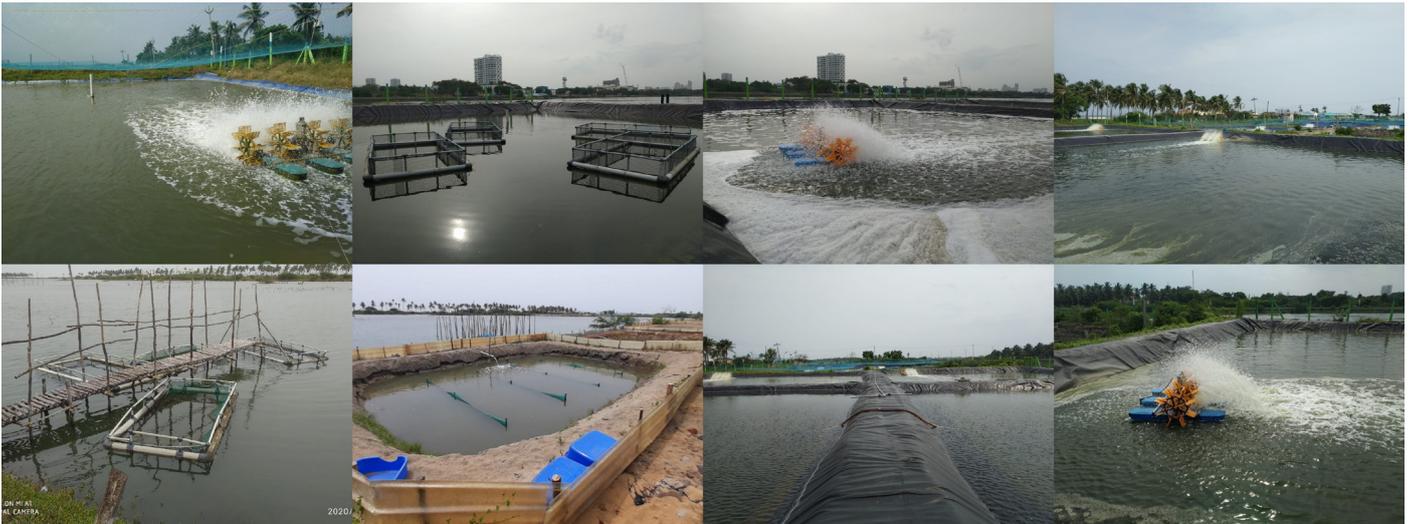
The multispecies finfish hatchery involved in captive breeding and larval rearing of Asian seabass (*Lates calcarifer*), Milk fish (*Chanos chanos*), Grey mullet (*Mugil*

cephalus), Red snapper (*Lutjanus argentimaculatus*) Pearl spot (*Eetroplus suratensis*), Silver moony (*Monodactylus argenteus*), Spotted scat (*Scatophagus argus*) etc. The fish seeds produced are regularly supplied to the brackishwater farmers all over the country.

The shrimp hatchery at MES is of a capacity of 10 million PL per annum. The centre is having live feed culture facilities with microalgal culture and isolation lab, artemia, zooplankton and polychaete production units. Soil and water lab. Various laboratories functioning in the centre are animal health laboratory, soil and water laboratory, finfish and shellfish physiology laboratory, feed biotechnology laboratory etc. Moreover there are assorted sets of wetlabs with recirculating and flow-through systems for conducting experiments with finfish and shellfish in controlled conditions. A state of art pilot-scale feed-mill is there in the centre with the capacity to produce formulated feeds for finfish and shellfish for all life stages.



There are more than 25 experimental ponds in the centre with varying sizes from 0.05 hectare to 0.1 hectare. This includes lined and earthen ponds. These experimental ponds were used to conduct farming trials on the products and technologies developed by ICAR-CIBA

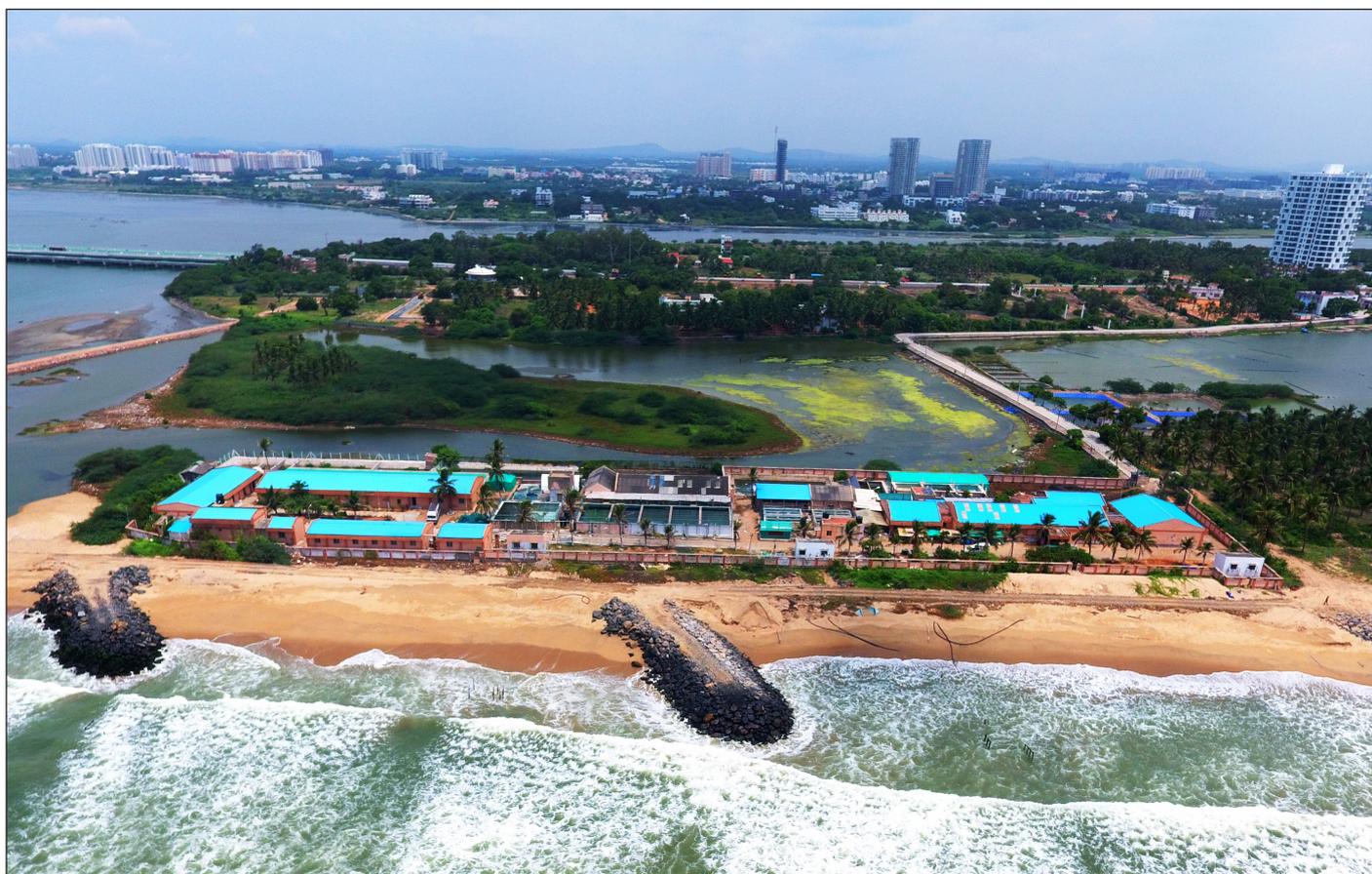
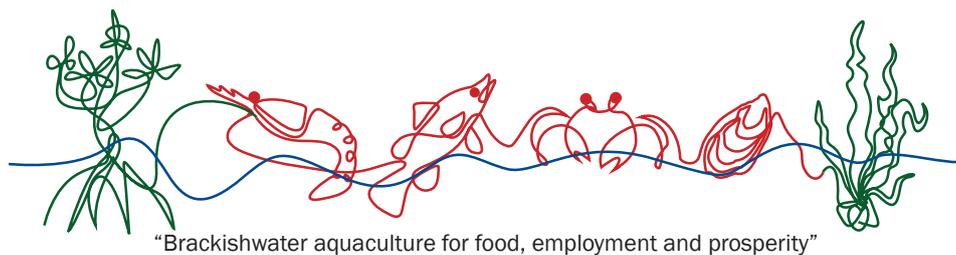


Trainees Accommodation Facility and Farmers Facilitation Centre



Well furnished Trainees Accommodation Facility and Farmers Facilitation Centre are available in the centre for assisting farmers and trainees. The farmers/trainees can stay in the centre and learn various aspects of brackishwater aquaculture.





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