

## Synopsis

Of several major injectors to Sri Lankan economy, fisheries sector is very important as it generate more profits through exportation as well as domestic markets. It has been estimated that it contributes nearly 2.7 percent to Sri Lankan GDP.

In backwater systems, Seabass (*Lates calcarifer*) has been identified as an economically important food fish which can thrive in wide range of salinities of both brackish water and fresh water. This fish breeds naturally in lagoons giving very little opportunity to become the spawning success as negligible proportion recruit to the fishable stock. None of the hatcheries in Sri Lanka could breed Seabass successfully but the hatchery of Aqua N Green could do it acquiring the celebrity of one and only hatchery to breed seabass, although this hatchery alone found rather difficult to be met the demand for fingerlings.

Types of diets given to Seabass at the different ages includes rotifer, artemia and fry fish, of which rotifer is given for three days old hatchings until three weeks in which time starts giving artemia followed by fry fish. *Nannochloropsis oculata* and *Chlorella* found to be best diets for marine rotifers of which *Nannochloropsis oculata* bloom disrupt by ciliate contaminations which can treated giving Chloroquine in adequate amounts. However, getting Chlorella bloom is more easy as it least affected by contamination as well as require only sea water tilapia and cheap feeds (rice bran and shrimp feed). Meanwhile, Aqua N Green is the first to cultivate seabass in cages in lagoon which is already doing in Trincomalee.

The in-plant training was focused on achieving following objectives.

- To be used the knowledge and experience got from the university effectively and most practically for the patronage of a company which is in front row to uplift the Sri Lanka.
- To get educated about the hatchery system and sea bass culture which new to Sri Lanka.
- To get through knowledge about the plankton production and its common problems that hinders its growth and come up with possible solution to those.
- To improve skills regarding labor handling and stock management.