



ICAR-CIBA - a nodal R&D agency working in brackishwater aquaculture for the past three decades with a vision of environmentally sustainable, economically viable and socially acceptable aquaculture technologies, system interventions, technology backstopping and policy inputs by the institute, contributing to economic benefits of the sector which has already recorded annual export revenue of ₹ 20,000 crores apart from domestic consumption.

## IMPACT OF CIBA'S INTERVENTION ON INTRODUCTION AND FARMING OF VANNAMEI SHRIMP IN INDIA

### ICAR-CIBA

Before the year 2008, shrimp aquaculture has been centered around the black tiger prawn as the single most species, and the sector was struggling with devastating WSSV disease which caused huge economic loss. Farmers wanted to import SPF vannamei. In year 2009, GOI (DAHDF) decided to import selectively bred, SPF vannamei from western world.

#### Role of ICAR-CIBA

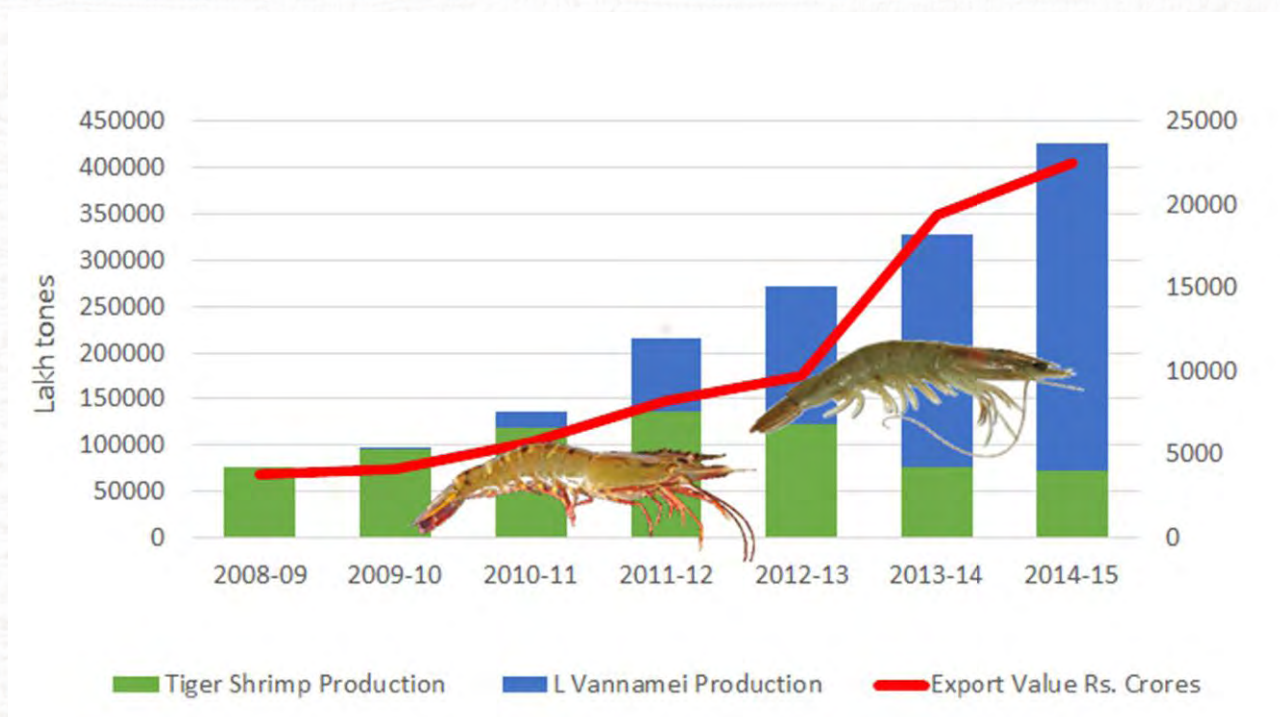
- Risk and impact analysis jointly done with ICAR-NBFR.
- Framed the import guidelines and BMP's.
- Technical support for creating the quarantine facility.
- Invalidated the outbreak EMS in India, and helped to achieve a present production of about 3.35 lakh tons and export value of 20,000 crore.
- Referral laboratory for screening OIE listed pathogens and involved nationwide surveillance of shrimp diseases.
- Developed an indigenous shrimp technology Vanami<sup>plus</sup>
- Continuing research related to water and soil quality (water and soil health card), intensification (biofloc based nursery) etc.
- Developed FAQ's with answers and an android based mobile app (Vanami Shrimpapp) for *penaeus vannamei* farming knowledge transfer.





### Impact of the vannamei introduction in India

- Farming area increased from 283 ha in 2010 to 50,000 ha in 2015.
- Shrimp export increased from 1.3 lakh tonne in 2010 to 3.73 lakh tonne in 2015
- Export earnings increased from Rs. 4000 crores in 2010 to Rs. 20,000 crores in 2015
- There are 276 hatcheries, 14 nauplius rearing centers and 24 hatchery consortium
- 160,000 people directly and 350,000 people indirectly employed in farms and hatcheries



### Services Offered

- Detailed Project Report including sourcing of equipment, chemicals and reagents
- Training of technical personnel
- Transfer of technology on non-exclusive basis

### Sources

- Risk analysis on Introduction of L. vannamei in India 2007, ICAR-CIBA and ICAR-NBFGR.
- CIBA e-Publication series No.19; <http://www.ciba.res.in/Books/ciba0597.pdf>
- ICAR-CIBA signed MoU with Sai Aquafeeds, Andhra Pradesh in 2015

***“Brackishwater aquaculture for food, employment and prosperity”***

**ICAR-Central Institute of Brackishwater Aquaculture**  
75, Santhome High Road, R.A.Puram, Chennai-600 028  
Phone: 044-24610565, 24618817, 24616948, Telefax: 044-24613818, 24610311  
Email : [director@ciba.res.in](mailto:director@ciba.res.in), [itmu@ciba.res.in](mailto:itmu@ciba.res.in), Website: [www.ciba.res.in](http://www.ciba.res.in)

Follow us on : [f](#) [t](#) [v](#) /icarciba