



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.

# VANAMI<sup>Plus</sup>

## ICAR-CIBA

Feed cost is the major cost in grow out culture of vannamei shrimp. Commercially available feeds are expensive. ICAR-CIBA has developed a cost effective indigenous feed using locally available ingredients. This is a boon for small and medium shrimp farmers.

### Features of the technology: Vanami<sup>Plus</sup>

- Scientifically formulated quality feed for vannamei (35% Protein & 6% Fat)
- Formula cost of Rs. 55-65.
- Increase the profit margin for farmers by 15-20%.
- Tested and evaluated extensively in farmer's pond
- FCR of 1.2-1.5
- Eco friendly feed with better soil and water quality
- Customizable technology for small, medium and large scale operations
- Suitable for corporate entrepreneurs, farmer clusters and co-operative societies
- Capital investment for the feed production unit in Indian Rupees 50 - 150 Lakhs based on the infrastructure and production target



### Vanami<sup>Plus</sup> Technology transferred/Commercialized

- ICAR-CIBA has entered in to MOUs with 6 stakeholders in Andhra Pradesh, Gujarat, Kerala, West Bengal and Orissa to set up such production units.
- Recently, one of the client, Sai Aqua Feeds, Andhra Pradesh launched their Vannami<sup>Plus</sup>.





## Impacts of the Vanami<sup>Plus</sup>

- Currently, the installed capacity of feed processing plants is 10,000 tonnes/ annum which can cover the farming area of 1500 ha.
- Though the Vanami<sup>Plus</sup> taken up by the clients covers a very small portion of the feed demand, it is serving benchmark for pricing as well as to compare the performance of the other commercial feeds evolving in the sector.
- Worth of feed produced Rs 65 crores/annum.
- About 900 people are directly employed and 1500 people are indirectly employed
- Trickle-down effect is expected to benefit the farmers around 1500 Cr/annum by saving the cost of production @10%.



## Sources

- Shrimp Farmers Get Made in India Feed - Kisan Updates <http://www.kisanupdates.com/tag/vannamei-plus/>
- New shrimp feed at low cost developed; <http://infofish.org/v2/index.php/128-new-shrimp-feed-at-low-cost-developed>
- Indigenous shrimp feed to help farmers save 20% cost; <http://timesofindia.indiatimes.com/city/chennai/Indigenous-shrimp-feed-to-help-farmers-save-20-cost/articleshow/53218517.cms>
- <http://www.icar.org.in/en/node/12370>

## Services offered

- Detailed Project Report
- Advisory services to establish feed analytical laboratory
- Sourcing of machineries and ingredients
- Transfer of technology on non-exclusive basis
- Training for 3-5 technical people for 5-7 days

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

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