



WORLD FISHERIES DAY 2021 AWARDS



Best Shrimp Hatchery – Srinidhi Biotechnologies

BACKGROUND:

Mr. Prathipati Veerabhadra Kumar, Managing Partner of Srinidhi Biotechnologies, has a Master's degree in Fishery Science and started his career as a Hatchery Manager at Liquors India Hatchery, a pioneer hatchery of P Monodon. Mr. P.V. Kumar joined SVR Hatcheries in 1999 at East Godavari region in Andhra Pradesh for shrimp cultivation and is now one of the Managing Partners. The hatchery was spread across 11 acres for production of 600 million spawns. In 2009, he visited Thailand for technical training on aquaculture of *L. Vannamei* and with the ambition to expand his business, Mr. Kumar established Srinidhi Biotechnologies spread across 8.48 acres at Vishakhapatnam in Andhra Pradesh in 2012 with an annual production capacity of 750 million spawns.



Picture 1: Srinidhi Biotechnologies

INFRASTRUCTURE:

Srinidhi Technologies has emerged as one of the premium shrimp hatcheries in India, supplying more than 2 billion premium quality Specific Pathogen-Free (SPF) *L. Vannamei*



Picture 2: Well-structured and designed facility

antibiotic free seed to the Indian farmers of all coastal States with high yields. The hatchery has been strategically designed with physical isolation of various production facilities. This feature ensures that no contamination takes place. It consists of well-equipped infrastructure for pumping, filtration, storage, distribution of water to different sections, aeration, feed rooms, laboratory for water analysis and detection of pathogens, immaculate maintenance of packing areas for post larvae, separated offices, storerooms and staff living quarters. All the areas are designed to ensure strict biosecurity practices with continuous monitoring from expert technicians with high level determination and enthusiasm.



STRATEGIES ADOPTED TO PRODUCE HIGH QUALITY OUTPUT:

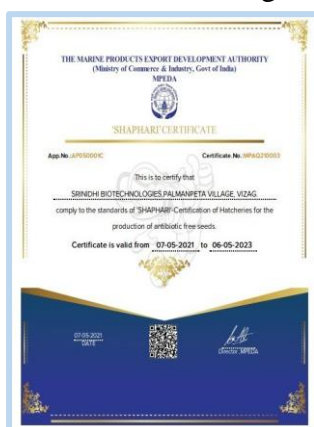
In order to produce high quality fish, the management has adopted various strategies and best practices. Brood stock management includes import of SPF brood stock for breeding activity, inducing breeding through eyestalk ablation after proper conditioning of brood stock up to 3-4 weeks, regular sampling, disinfection of live feed, proper egg washing etc. Infrastructure developed includes the following:

1. **Lab facilities:** Microbiology and Polymerase Chain Reaction (PCR) test lab, daily checking of water parameters for bacterial growth etc and regular post larvae and brood stock for White Spot Syndrome Virus (WSSV), Enterocytozoon Hepatopenaei (EHP), Infectious Haemorrhagic Necrosis (IHHNV) in PCR lab
2. **Effluent Treatment System (ETS):** ETS has been built under Coastal Aquaculture authority (CAA) norms and proper treatment of the effluent before discharge
3. Well established packing facility in each production unit
4. Maintenance of hatchery and adoption of **Best Management Practices (BMP)** with bio security, feed and water management through microscopic observation of seed and regular ETS management

TRAINING AND EXPOSURE:

The management also focussed on building the capability of the team and acquiring technical skills through various training programs such as ‘antibiotic free seed production program’ by Marine Products Export Development Authority (MPEDA), various seminars/workshops on feed and seed management, The Andhra Pradesh Shrimp Seed Production, Supply and Research Centre (TASPARC) training program on hatchery seed production etc.

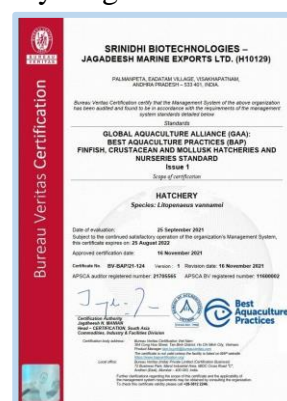
Srinidhi Biotechnologies is one of the earliest hatcheries in the country to get SHAPHARI



Picture 3: SHAPHARI Certificate by MPEDA

certification introduced by MPEDA for the production of antibiotic-free seed after completing six audits. Many foreign technicians from Ecuador and Vietnam have visited the hatchery and shared relevant global best practices and skills with the technical team. Equipped with extensive knowledge about the best practices for sustainable shrimp production, the management has

implemented strict bio-security measures and regular monitoring



Picture 4: GAA and BAP Certificate

to ensure antibiotic-free seed thus gaining valuable trust among the farmer fraternity along the coast of Andhra Pradesh.

PERFORMANCE AND ACHIEVEMENTS:

As a result of these diligent efforts and a team of dedicated and passionate employees, Srinidhi Biotechnologies has been able to build the facility with 1 billion shrimp seed production



capacity that caters to domestic seed requirements across states such as Andhra Pradesh, Odisha and West Bengal. Mr. Kumar has been instrumental in leading the organisation to greater heights. Since its founding, he has played an active role in day-to-day operations for producing quality seed, creating awareness among the shrimp farmers, sharing updated technical issues with the professional community with strong expertise in marketing.

With the vision of sustainable shrimp production, the management aims at enhancing production of antibiotic-free seed, enhance high-quality of shrimp production, enhance customer satisfaction by meeting the domestic and international standards of food safety through adoption of new technologies and providing livelihood to many community members. Srinidhi Technologies has contributed immensely in towards production and supply of high-quality *L. Vannamei* in the country and for their commendable performance, Srinidhi Technologies has deserved the place for the “Best Shrimp Hatchery” Award on the World Fisheries Day 2021.

