

Name of Solution:**Brackishwater shrimp farming**

Submitter: Indian Council of Agricultural Research (ICAR)

Solution Overview: *What is it, and what problem does it solve? Brief 2–3 sentence description.*

Shrimp farming is considered a high-valued and low-volume culture system that can supply food for catering to the consumers in the domestic as well as the export markets and increasing the foreign exchange earnings of the country.

Key Features & Benefits: *Main components and why it is useful? Bullet points summarizing methods, tools, and value added.*

- High-valued & low-volume culture system that can support economy through export
- Suitable use of coastal waters and inland saline waters
- Input intensive culture system
- Wide range of culture systems from extensive farming to ultra-intensive farming.

Where It Works and Where It Can Work: *Existing and potential target regions, agroecologies, or farming systems. Include examples if available*

India has been producing close to 1.0 million tonnes of shrimp from the 1.5 lakh hectares in semi-intensive to intensive culture systems.

This technology can be transferred to several African and Caribbean countries where vast coastal waters are available, and where there exists huge demand for shrimps.

Evidence & Impact: *What results has it shown? Stats, pilot outcomes, or testimonials*

India is the 2nd largest shrimp producing country in the world, with production of close to 1.0 million tonnes, and is ranked 2nd in shrimp export fetching over Rs. 47,000 crores. India has developed technology for producing over 40 tonnes/ha in 4 months period under precision super-intensive culture system.

Scalability & Adoption Support: *Why it can be scaled and what's needed to adopt it? Low-cost, adaptable, partner-ready, etc.*

Various culture systems, ranging from traditional to precision super-intensive systems are available for shrimp farming with the detailed package of practice. The problems and constraints of technology adoption faced by shrimp farmers have been well studied and documented.

Similar culture systems, depending on the local availability of inputs, could be initiated in the several coastal countries in African and Caribbean region.

Partners & Contact Info: *Who's involved and how to connect? List of key contact.*

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