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Livelihood of Shrimp Farm Workers in India

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Introduction

- ▶ FAO (2022) reports 58.5 million were engaged as full-time, part-time, occasional or unspecified workers in fisheries and aquaculture
- ▶ 20.67 million (35%) people are engaged in aquaculture sector in world wide.
- ▶ The proportion of employment in capture fisheries has decreased from 83% to 65%, while proportion of those employed in aquaculture correspondingly increased from 17-35%

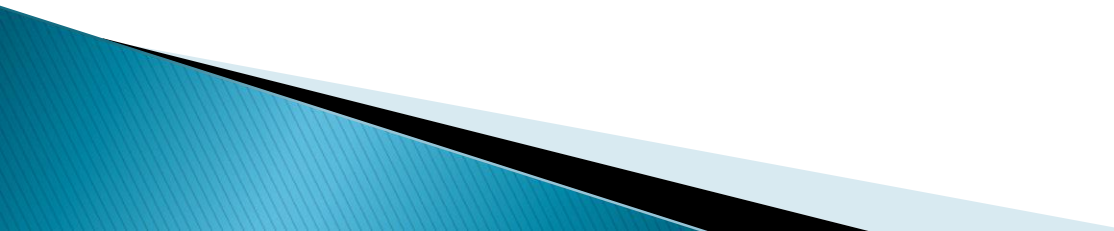
(Source: FAO, 2022)

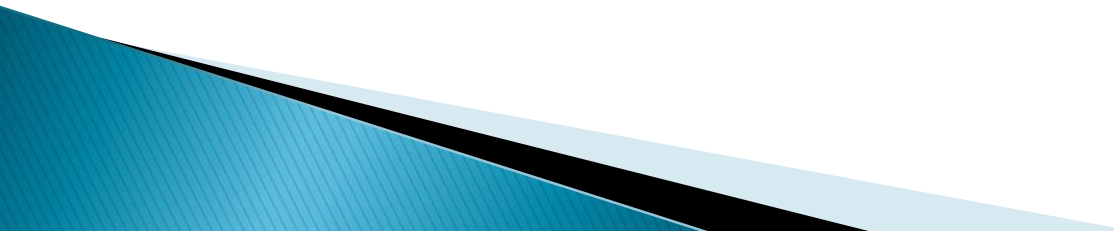
India and Brackishwater Shrimp Farming

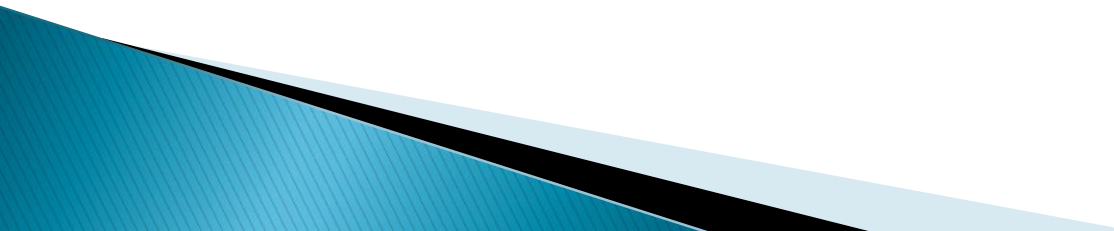
Total estimated brackish water area	12.40 million ha
Area suitable for brackish water shrimp farming	1.19 million ha
Area developed for shrimp farming till 2021	0.17 million ha
Total culture shrimp production during 2021	0.85 million tonnes
Highest area under shrimp production	Andhra Pradesh (74,512 ha)
Highest Shrimp Production	Andhra Pradesh (0.64 millionTonnes)

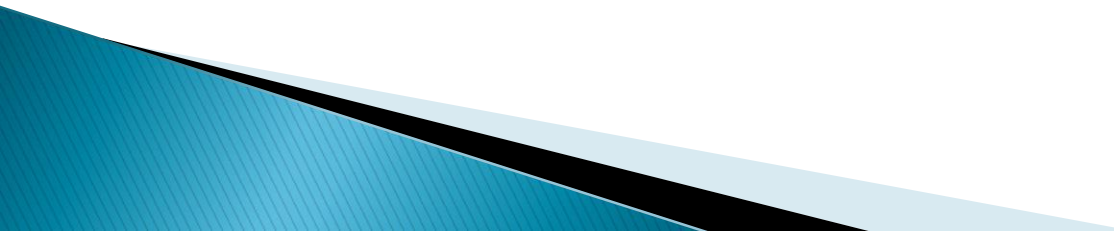
Source: www.mpeda.gov.in

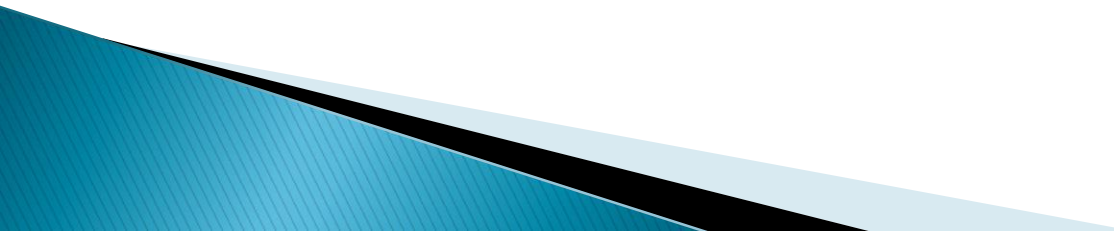
- ▶ 5% rise in shrimp production from 0.8 million ton (2019) to 0.84 million tonnes in 2021.
- ▶ The overall export of shrimps during 2022-23 was 0.7 million tonnes.
- ▶ India will be the main driver of global shrimp production growth in the next couple of years.
- ▶ 0.17 million ha under scientific shrimp farming in India.
- ▶ Estimate: Minimum 1 worker is required for 1 ha farming area. So as a rough estimate is that about 0.17 million workers may be engaged in scientific shrimp farming sector.

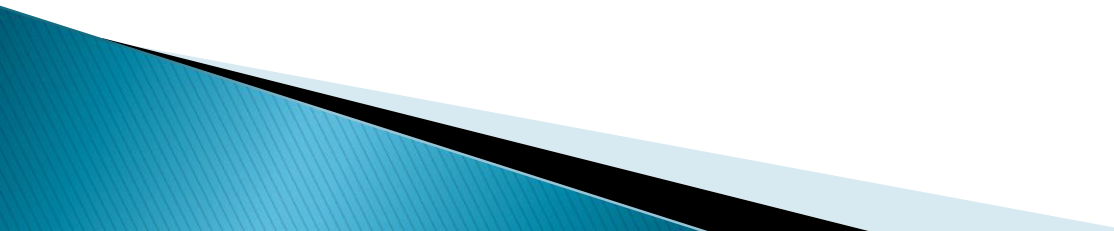
- ▶ India has played a significant role in providing livelihood opportunities to shrimp farm workers through the development of the aquaculture industry.
 - ▶ Shrimp farming has become an important economic activity in coastal regions of India, contributing to employment generation and income improvement for many communities.
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- ▶ India has witnessed a substantial expansion of the shrimp farming industry over the years.
 - ▶ The Government and private sector have invested in the development of shrimp farms, creating more job opportunities.
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- ▶ Efforts have been made to provide training and skill development programs for individuals involved in shrimp farming.
 - ▶ This includes education on best practices in aquaculture, water management, disease control, and sustainable farming techniques.
 - ▶ Such training enhances the skills of the workers, making them more employable and efficient.
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- ▶ The Government has introduced its flagship scheme – Pradhan Mantri Matsya Sampada Yojana (PMMSY) to promote fisheries and aquaculture sector.
 - ▶ Several projects have been implemented to encourage the growth of shrimp farming and enhance employment opportunities.
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- ▶ Shrimp farm owner are largely benefitted by different schemes such as construction of new shrimp farm, renovation of shrimp farms, input supply for shrimp farming, insurance schemes.
 - ▶ The implementation of this scheme also motivated people to get engaged in shrimp farming.
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- ▶ Shrimp farm workers are the driving force behind the increase in shrimp production.
 - ▶ The shrimp farm owner not only take due care of their farm workers but also use precautions for safety of workers.
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Safety Measures

- ▶ Farm owners reported that safety devices like **gloves, head cap, torch light and first aid box** are provided at farm.
- ▶ Farm owners have positive response towards safety of their workers.

Safety Measures at farm



Gum Boot



Face masks



Hand Gloves

Safety Measures at Farm



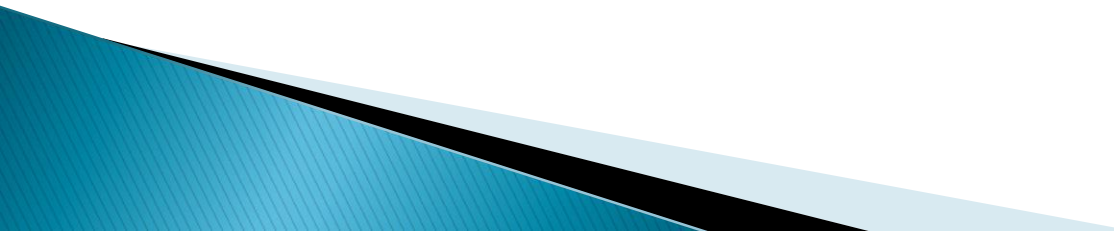
Torch



First AID Box



Hand Gloves

- ▶ Awareness of shrimp farm workers about fire safety at shrimp farm
 - ▶ Shrimp farms are certified for fire safety.
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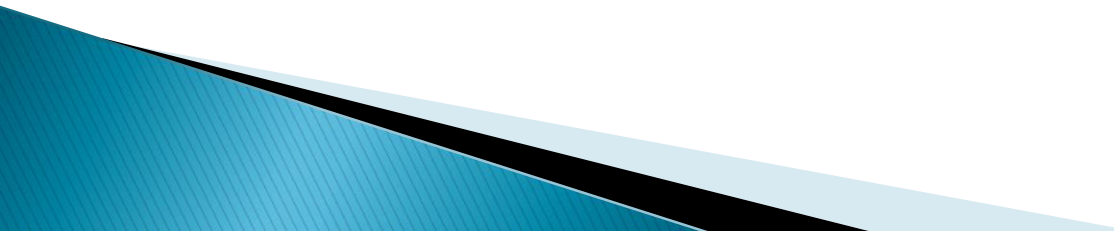


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- ▶ Skill development and capacity building of shrimp farm workers on best management practices.



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 - ▶ Maharashtra Animal and Fishery Sciences University, Nagpur (India).
 - ▶ College of Fishery Science, Nagpur (India).
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THANK YOU !!!

