<table>
<thead>
<tr>
<th>Field facilities</th>
<th>Laboratories</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>39.3 + 13.6 ha</td>
<td>5</td>
<td></td>
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<tr>
<td>31</td>
<td>45</td>
<td></td>
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</tbody>
</table>
MANDATE

- Conduct **basic, strategic and applied** research in brackishwater aquaculture.
- Provide research support for **diversification** of brackishwater aquaculture practices with reference to **species and systems**.
- Provide **policy and planning** support for socio-economic development through brackishwater aquaculture.
- To carry out transfer of brackishwater aquaculture technologies through creation of **awareness**, conducting **training** and providing **consultancy service**.
Map of India Showing the Coastal Brackishwater Resources and Inland Saline Areas

INLAND SALINE SOIL RESOURCES
- Gujarat: 12,10,000 ha
- Haryana: 5,20,000 ha
- Punjab: 5,10,000 ha
- Rajasthan: 11,20,000 ha
- Uttar Pradesh: 12,60,000 ha

Potential: 376,000 ha
- Developed: 540 ha
- Production: 680 mt

Potential: 405,000 ha
- Developed: 47,650 ha

Potential: 80,000 ha
- Developed: 930 ha
- Production: 1,200 mt

Potential: 18,500 ha
- Developed: 3080 ha
- Production: 3500 mt

Potential: 65,000 ha
- Developed: 14,700 ha
- Production: 5,540 mt

Potential: 56,000 ha
- Developed: 2,480 ha
- Production: 4,710 mt

CIBA RESEARCH CENTRES - KRC – Kakdwip Research Centre;
Synonymous with shrimp farming – diversification into fish and crab negligible

Area under farming  -  1,84,115  HA

Culture shrimp production  -  1,85,990  MT

Shrimp exports  -  Value(% total seafood)-3,545 Crores( 47 %)
Development of technology for improved traditional system of farming with a production of 1.2 tonnes of *P. monodon* /ha/100 days

Demonstration of improved traditional system of culture of *P. monodon* in pokkali fields of Kerala

Organic farming
CLOSING THE LIFE CYCLE OF M. JAPONICUS UNDER CAPTIVE CONDITIONS AND PRODUCTION OF F5 GENERATION BROODSTOCK

- F. merguiensis and M. japonicus
- Risk assessment of exotics
Domestication & seed production of *Lates calcarifer*

- Culture field trials -seabass
- Seed production
  - Mullet
  - Milkfish
Development of technology package for shrimp feed processing and production on commercial scale

Cost effective feed for shrimp, crab and seabass from locally available materials

- Plant based fish meal replacement
- Local fishmeal
- Nested PCR diagnostic kit for shrimp white spot virus and launching
- Rapid diagnostic kit for white muscle disease in Macrobrachium rosenbergii
- Extensive investigations on the white spot virus disease
- Field testing of immunostimulant for *Penaeus monodon*
Captive broodstock maintenance, induced maturation, breeding and completion of life cycle of *Scylla tranquebarica* and *S. serrata*

Culture field trials
Extensive investigations on the socio-economic and environmental impacts of shrimp farming in Andhra Pradesh, Orissa, West Bengal and Tamil Nadu

- EIA of shrimp culture
- Carrying capacity model
- Bioremediation
Socio-economics and shrimp farming practices under different systems to study the problems and constraints of technology adoption faced by the shrimp farmers

Integrating small holder into value chain
TRANSFER OF TECHNOLOGY

EXHIBITION

• Extension approaches
• Aquaclinics, aquabusiness and
• Village knowledge centers

TRAINING

FARMERS’ MEET-CHIDHAMBARAM

FARMERS’ MEET- KALPAKKAM

FARMERS’ MEET - NAGAI
NEW INITIATIVES

• Development of captive broodstock & Genetic improvement of *P. monodon*

• Resource assessment and aquaculture planning through remote sensing and GIS

• Inland Saline Water Aquaculture
THANK YOU