

**Syllabus For Crab harvester (RPL)**

<b>Course Name</b>	<b>Crab harvester (RPL)</b>
<b>Sector</b>	<b>AGRICULTURE</b>
<b>Course Code</b>	<b>AGR/2024/CRHA/294</b>
<b>Level</b>	<b>4 (RPL)</b>
<b>Occupation</b>	<b>Crab harvester</b>
<b>Course Duration</b>	<b>Total Duration 65 Hrs (OJT )</b>
<b>Trainees' Entry Qualification</b>	<b>Class VIII Pass with 5 years experience in the relevant field</b>
<b>Trainers Qualification</b>	<b>Bachelor degree in Fishery science/ Zoology/ Chemistry or equivalent from a recognized University/ Board/ Institute with minimum 2 Years' experience in Fisheries field</b>

**Structure of Course:**

<b>Module No.</b>	<b>Module name</b>	<b>Total (Hrs)</b>
1	<b>Introduction</b>	5
2	<b>Select crab species for fattening and install crab fattening cages/ pens</b>	25
3	<b>Stock crabs and provide feed</b>	25
4	<b>Perform harvesting and marketing activities related to crab fattening</b>	5
5	<b>Ensure safety hygiene and sanitation practices for culture operations</b>	5
	<b>TOTAL</b>	<b>65</b>

**SYLLABUS:**

Sl no	Revise Module (Proposed)	Key learning Outcomes	Equipment required
1	<b>Introduction</b>  Total Duration : 5 hrs	<ul style="list-style-type: none"> <li>• Study the scope and importance of brackishwater aquaculture with special reference to crab farming</li> <li>• Understand the role of a Crab Farmer and the progression pathways</li> <li>• Familiarize with the economically important marine crabs in India</li> <li>• Familiarize with the basic morphology and anatomy of crabs and the habitat required.</li> </ul>	Laptop, white board, marker, projector, live and preserved samples of economically important marine crabs including mud crabs, dissection box, tray.
2	<b>Select crab species for fattening and install crab fattening cages/ pens</b>  Total Duration : 25 hrs	<ul style="list-style-type: none"> <li>Familiarize with basic principles of pond preparation, liming and fertilization</li> <li>Familiarize with various types of fences, cages/pens, fencing material</li> <li>Install and monitor the cages/pens</li> <li>Analyse the water quality and their effect in crab farming</li> <li>Familiarize with the working of water pumps and aerators</li> <li>Undertake transportation of seed crabs of various life stages (megalopa, crab instars, crab juveniles, sub adults and soft crabs).</li> </ul>	Laptop, white board, marker, projector, Audiovisual aids, Water pump, Air or Oxygen diffusers, Aerators, refractometer, portable weighing balance, water quality kits
3	<b>Stock crabs and provide feed</b>  Total Duration : 25 hrs.	<ul style="list-style-type: none"> <li>Familiarize with the stocking procedure in polyculture ponds</li> <li>• Familiarize with the feed and feed management, preparation of farm made feed, principles and practices of feeding and feeding schedule</li> </ul>	Laptop, white board, marker, projector, Audiovisual aids, Grinder, Mixer, Pelletiser, Profi-Feeders , scareheron,

Sl no	Revise Module (Proposed)	Key learning Outcomes	Equipment required
		<ul style="list-style-type: none"> <li>Ensure the knowledge on principles of weed eradication water quality management and analysis of various water quality parameters.</li> <li>Understand the principles of Recirculation aquaculture system (RAS), and learn the development of RAS</li> <li>Undertake monitoring of growth of the crab, calculation of biomass and feeding ration.</li> </ul>	<ul style="list-style-type: none"> <li>weed eradication equipments, hand nets, feeding trays, seechi disk, ph meter, refractometer, scissors, water testing kit, buckets, hapas, foreceps, weed cutter, dropper, tissue paper, syringes, simple microscope, PCR diagnostic kit, Power backup</li> </ul>
4	<p><b>Perform harvesting and marketing activities related to crab fattening</b></p> <p>Total Duration : 5 hrs</p>	<p>Acquaint with the principles and practices of differential harvesting, methods of harvesting</p> <p>Undertake timely harvesting</p> <ul style="list-style-type: none"> <li>Undertake proper post-harvest activities to retain the quality of the harvested crabs</li> <li>Identify suitable markets</li> <li>Survey species demand in the market</li> <li>Understand reasonable price for sale</li> </ul>	<p>Laptop, white board, marker, projector, PPEs bags, first aid box, Hand nets and cast nets, dip nets, Hand gloves, boots, head gear, autoclave, transport vehicles with water storage capacity, oxygen cylinders, ropes, threads, polypropylene tanks, oxygen tablets, vitamin B 12 tablets for removal of stress during transportation, siphoning pipes, portable DC chargable battery aerators, small ice machine.</p>
5	<p><b>Ensure safety, hygiene and sanitation practices for culture operations</b></p> <p>Total Duration : 5 hrs</p>	<ul style="list-style-type: none"> <li>Maintain personal hygiene &amp; safety</li> <li>Maintain health &amp; hygiene of seed during transportation and at various stages of growth of crab</li> <li>Ensure safety measures and upkeep of water bodies used in crab farming</li> </ul>	<p>First aid box, Hand nets and cast nets, Dip nets, Hand gloves, boots, Head gear, Apron, Fresh towel, Cotton.</p>

	<b>Total duration of course : 65 hrs.</b>		
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