

Syllabus For Pisciculturist in Brackish Water (RPL)

Course Name	Pisciculturist in Brackish Water (RPL)
Sector	AGRICULTURE
Course Code	AGR/2024/PIBW/330
Level	4 (RPL)
Occupation	Pisciculturist in Brackish Water
Course Duration	Total Duration 35 Hrs (OJT)
Trainees' Entry Qualification	Class VIII Pass with 5 years experience in the relevant field
Trainers Qualification	Bachelor degree in Fishery science/ Zoology/ Chemistry or equivalent from a recognized University/ Board/ Institute with minimum 2 Years' experience in Fisheries field.

Structure of Course:

Module No.	Module name	Total (Hrs)
1	Introduction	6
2	Prepare soil and ensure water quality management	6
3	Pond Preparation and rearing of post larvae	6
4	Management of brackish water fish farm	6
5	Harvesting and marketing activities and maintenance of hygiene	6
6	Valedictory session	5
	TOTAL	35

SYLLABUS:

Sl no	Module	Topics to be discussed and / or demonstrated	Equipment required
1	Introduction Total duration: 6 hrs	<ul style="list-style-type: none"> * Present status and scope of Brackish water farming in India with special reference to West Bengal * Types of Brackish water farming: Traditional, Extensive, Modified Extensive, Semi intensive etc. * Modalities related to setting up of a brackish water farming unit * Discussion on Coastal Aquaculture Authority Act and guideline * Discussion on existing brackish water schemes in West Bengal 	Laptop, white board, marker, projector, audio-visual aids
2	Prepare soil and ensure water quality management Total duration: 6 hrs	<ul style="list-style-type: none"> * Measurement and management of common water quality parameters such as temperature, transparency, turbidity, pH, salinity etc. • Familiarize of common soil quality parameters such as soil colour. Texture, water holding capacity, soil types and their distribution. Soil fertility, soil pH, alkalinity etc. * Fertilization and manuring of brackish water pond on the basis of physico-chemical parameters of soil and water * Practical demonstration for measurement of soil and water quality parameters of brackish water pond 	Laptop, white board, marker, projector, audio-visual aids, pH paper, water & soil testing kit
3	Pond Preparation and rearing of post larvae Total duration: 6 hrs	<ul style="list-style-type: none"> * Layout and design of brackish water fish pond; Conventional pond system * Post larval rearing of Tiger Shrimp, vennamei and larval rearing of mullet * Identification of cultural marine/brackish water fin fishes and 	Laptop, white board, marker, projector, audio-visual aids

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		shell fishes * Mud crab fattening	
4	Management of brackish water fish farm Total duration: 6 hrs	<ul style="list-style-type: none"> * Pre-stocking Management of brackish water pond - Draining and drying, Ploughing, Liming, Filling with water and Fertilization, Control of aquatic weeds and Eradication of weed fish and predatory fish and animals. * Management in respect of stocking, seed quality assessment, stress tolerance, screening of larvae for major pathogens, following of acclimatization protocol * Feeding management, management of pond bottom during culture operation * Environment and aquatic animal health management practices in brackishwater farm 	Laptop, white board, marker, projector, audio-visual aids, feeding trays, weed eradication equipments, soil & water testing kit
5	Harvesting and marketing activities and maintenance of hygiene Total duration: 6 hrs	<ul style="list-style-type: none"> * Sustainable harvesting method of shrimp and mullet * Good Management Practices (GMP) *Post Harvest Management for handling and preservation of harvested stocks * Discussion on government norms on antibiotics and other pharmacological active substances * Effective marketing management for ensuring sustainable income 	Laptop, white board, marker, projector, audio-visual aids, hundi, crates, harvesting net
6	Valedictory session Total duration: 5 hrs	<ul style="list-style-type: none"> * Brain storming session of the training course * Group discussion * Examination and Evaluation 	
	Total duration of		

Sl no	Module	Topics to be discussed and / or demonstrated	Equipment required
	course : 35 hrs		

Name of the Course : **Pisciculture in Brackishwater**

Minimum number of Equipment required (per batch of 25 trainees)

Laptop	1
White Board	1
Marker	1
Audio-visual Aids	1
Projector	1
Feeding bags/trays	1
Harvesting Net	1
Soil & Water testing Kit	1
Hundi	2
Cretes	2
Hand gloves	3
pH meter	1
Weed eradication equipment	1