

Syllabus for Trout Fish cultivator (RPL)

Course Name	Trout Fish cultivator (RPL)
Course Code	AGR/2024/TRFC/298
Sector	Agriculture (Fisheries)
Occupation	Trout Fishing & Farming
Job Description	Cultivate Trout fishing and manage Trout fish Farming
Level	4 (RPL)
Course Duration	Total Duration 48 hrs(OJT)
Trainees' Entry Qualification	CLASS 10th Standard Pass with 5 years experience in the relevant field
Trainers Qualification	B.Sc. with Bio. Science with minimum 2yrs.experience in fisheries

Structure of Course:

Module No.	Module name	Outcome	Total (Hrs)
1	Introduction and basic information	Explain important of Trout Fishing	8
2	Site selection, soil and water quality management	Analyze water / Soil conditions	8
3	Model design and layout of a raceway for trout farming	Explains construction and technical specification of raceways for trout farming	8
4	Pre stocking and post stocking management	Demonstrate pre-stocking and poststocking management of trout farm	8
5	Feeding and health issues	Explain types of feed, Feed Conversion Ratio (FCR), feeding schedule and health issues with care and cure of fish diseases	8
6.	Harvesting and marketing activities	Perform harvesting & marketing of trout fish	8
TOTAL:			48

SYLLABUS:

Module No. 1: Introduction and basic information

Outcome: Explain important of Trout Fishing

Knowledge Criteria:

Introduction, Different types of trout, economic importance, why trout farming is so important

Performance Criteria:

Identification of different trouts with their key features.

Module No. 2: Site selection, soil and water quality management

Outcome: Analyze water / Soil conditions

Knowledge Criteria:

Familiarize with basic principles of site/slope selection, pond preparation, construction of raceways

Performance Criteria:

Analyze the water and soil quality parameters, water temp.DO, pH, soil pH

Module No. 3: Model design and layout of a raceway for trout farming

Outcome:

Explains construction and technical specification of raceways for trout farming

Knowledge Criteria:

Taught on technical specification for trout culture in raceway

Performance Criteria:

Practically cost estimation like capital cost, recurring cost, inputs for trout rearing and economic feasibility for 1 year production

Module No. 4: Pre stocking and post stocking management

Outcome:

Demonstrate pre-stocking and post stocking management of trout farm

Knowledge Criteria:

Taught on different steps of pre-stocking and post-stocking management

Performance Criteria:

Demonstrate the steps with inputs

Module No. 5: Feeding and health issues

Outcome:

Explain types of feed, Feed Conversion Ratio (FCR), feeding schedule and health issues with care and cure of fish diseases

SYLLABUS

Knowledge Criteria:

Taught on the principles and practices of feeding and feeding schedule, maintain fish health at various stages of growth of fishes as well as fish diseases and control measures.

Performance Criteria:

Taught on how to prepare home made feed with maintaining nutrition properly

Module No. 6: Harvesting and marketing activities

Outcome:

Perform harvesting & marketing of trout fish

Knowledge Criteria:

Familiarize with the principles and practices of harvesting method and identify suitable markets.

Performance Criteria:

Survey on the demand of trout fish in the market, restaurant, hotels

Learning Outcome – Assessment Criteria

Module No.	Outcome	Assessment Criteria
1	Explain important of Trout Fishing	<p>After completion of this module students will be able to:</p> <p>Identify different trout</p> <p>Explain the importance of this fish</p> <p>Explain the present status of trout farming</p>
2	Analyze water / Soil conditions	<p>After completion of this module students will be able to:</p> <p>Explain proper site selection</p> <p>Analyze the water and soil quality parameters,</p> <p>water temp.DO, pH, soil pH</p>
3	Explains construction and technical specification of raceways for trout farming	<p>After completion of this module students will be able to:</p> <p>Explain construction of the raceways</p> <p>Explain the technical specifications required in raceways for trout farming</p> <p>Be more confident in seeing the practical raceways.</p> <p>Estimate (i) Capital Cost, (ii) Input for trout rearing.</p> <p>Estimate economic feasibility for 1 year production.</p>

SYLLABUS

4	Demonstrate pre-stocking and post stocking management of trout farm	<p>After completion of this module students will be able to:</p> <p>Explain pond preparation</p> <p style="padding-left: 20px;">Demonstrate the steps in pre stocking management</p> <p style="padding-left: 20px;">Demonstrate the steps involved in post stocking management</p>
5	Explain types of feed, Feed Conversion Ratio (FCR), feeding schedule and health issues with care and cure of fish diseases	<p>After completion of this module students will be able to:</p> <p>Explain home feed preparation</p> <p style="padding-left: 20px;">Elucidate feeding schedule</p> <p>Explain health issues during farming.</p> <p style="padding-left: 20px;">Maintain fish health at various stages of growth of fishes.</p> <p style="padding-left: 20px;">Control of fish diseases.</p>
6	Perform harvesting & marketing of troutfish	<p>After completion of this module students will be able to:</p> <p>Familiarize with the principles and practices of harvesting method</p> <p style="padding-left: 20px;">Identify suitable markets.</p> <p>Calculate market demand based on survey in market, restaurant and hotels.</p>

List of Tools, Equipment & materials needed for 30 Trainees (Practical)

SI No	Items Name	Specification	Qty
1	Laptop	Any company	1
2	White board		1
3	Marker pen		3 (different colour)
4	Projector for audio visual aid		1
5	pH paper		5
6	Water and soil testing kits	Sky technology STI-440P6	2
7	Sample of feed		
8	Fish feed making machine	Proveg Engineering and Processing Private Lt., 50-60kg/ hr	1
9	Feeding tray		2
10	Sample medicines for fish diseases control		LS
11	Microscope		1
12	Sample nets		2
13	Insulated box		2