

## **MARINE FISHERIES [ MAFS ]**

### **General Information :**

1. Name of the Trade : Marine Fisheries
2. Entry Qualification : Passed Class VIII
3. Duration of Training : 06 Months [ Under Vocational Short Term Course]

### **Rationale :**

The course of Marine fishery is being first introduced for general students and it is popular in coastal areas in West Bengal due to its self employment generation capacity. Such knowledge is very much essential for sea going and fish trading people of the area.

### **Aims :**

The subject develops the knowledge and upgrades the marine fishing and fish preservation system as per need of coastal areas of West Bengal.

### **Course Break-up ;**

- |     |                         |   |          |
|-----|-------------------------|---|----------|
| (a) | Practical instruction   | : | 288 hrs. |
| (b) | Theoretical instruction | : | 67 hrs.  |
| (c) | Entrepreneurial         | : | 05 hrs.  |

### **Marks Alloted :**

- |     |           |   |     |
|-----|-----------|---|-----|
| (a) | Practical | : | 400 |
| (b) | Theory    | : | 100 |

The Course content is to be covered in less than 26 weeks since some weeks will be used for enrolment procedures; leave of the instructor, holidays, examination and tests, industrial visits etc.

### **Industrial Visit :**

Field visit cum study tour in various farms in connection with Marine Fisheries is needed.

### **Theory :**

- (1) Introduction, definition of fish and fisheries. Food, feeding habit of brackish water fishes. Common commercially important marine fishes available in the coastal area of West Bengal. (10 Hrs)
- (2) Introduction of marine fisheries of West Bengal with deep sea fishing. (5Hrs)
- (3) Types of net used in the fishing crafts. Maintenance and use of mechanized and traditional crafts and gears for fishing. (7 Hrs)
- (4) Off shore and on shore fishing fishing harbour and fish landing centre. (10 Hrs)
- (5) Fish preservation, marketing and transportation. (5 Hrs)
- (6) Fish processing and fish by products. (10 Hrs)
- (7) Marine fisheries regulation Act. (5 Hrs)
- (8) Ecological balance and environmental degradation relating to pen catching and on shore fishing. (5 Hrs)
- (9) Formation of marine Co-operative society and activities. (5 Hrs)
- (10) Wireless, transistor, signaling, relating to weather and welfare activities. (5 Hrs)

### **PRACTICAL**

- (1) Identification of mechanized and country boat. Material used for construction of crafts activities. (20 Hrs)
- (2) Identification and material used for construction of gears along with merits and demerits. Uses of the gears in the mechanized and country vessels. (20 Hrs)
- (3) Fishing procedure in different vessels. (20 Hrs)
- (4) Identification of edible and non-edible and commercial marine fishes. (20 Hrs)
- (5) Process of different preservation at the time of catching and landing. (20 Hrs)

(6) Marketing and transportation.	(23 Hrs)
(7) Maintenance of different crafts and gears.	(15 Hrs)
(8) Dry fish and fish by products.	(20 Hrs)
(8) Importance of wireless and other safety device.	(15 Hrs)
(10) First aid and other safety measures,	(15 Hrs)
(11) Visit of fishing harbour and fish landing center.	(30 Hrs)
(12) Role of ice plant and ice for preservation.	(15 Hrs)
(13) Visit and participation in fishing, landing & preservation.	(30 Hrs)
(14) Maintenance of records and accounts.	(15 Hrs)
(15) Use of different life safety appliance arid activities.	(10 Hrs)

## ENTREPRENEURIAL INSTRUCTION

SL No.	Course Curriculum	Hours
1.	Brief idea on nature of small business management and Industrial Technical skill.	
2.	Preparation of schemes and vetting to Financial Institutions/ Lead Bank for obtaining loans.	
3.	Rules for setting up of business production Unit.	
4.	Maintenance of Accounts; Labour Capital etc.	
5.	Man Management, Communication, Motivation.	
6.	Operational Management.	
7.	Market Survey.	
8.	Quality Control.	
9.	Visit to Industrial units for gathering idea to start the unit.	
10.	Choice of technology as per demand of local people of the District / State.	
11.	Knowledge of Sales Tax etc.	
12.	Brief idea for Registration of SSI, Trade License, Project Report, Proposal for loans etc.	
Total		05