

## **BEE KEEPING (BEKP)**

### **General information :**

1. Name of Trade : Bee Keeping.
2. Entry Qualification : Passed Class VIII.
3. Duration of Training : 06 Months (under Vocational Short Term Course)

**Rationale :** The course of Bee Keeping has an enormous impact on the students of rural community. They are mainly acquainted with crude way of honey collection. Only the scientific rearing is to be disseminated.

**Objective :** The objective of the course is to develop knowledge of Modern Bee Keeping as compared of crude methods of honey collection and its management and prevention of diseases and their control.

At the end of training, the trainees will be able to :-

- a) have a general idea of modern Bee Keeping, along with different species of bees and their life cycle.
- b) Use the manifold benefits of modern Bee Keeping as compared to crude methods honey collection.
- c) Know the preservation strategy of Bee products.
- d) Start business with honey, Bee wax, Royal Jelly with the assistance of Nationalized Bank/Financial Institution.

The course content is to be covered in less than 26 weeks since some weeks will be used for enrolment procedure, leave of instructors, holidays, examination and test, industrial visits etc.

### **Course Break up :-**

- a. Practical Instruction : 288 hrs.
- b. Theoretical Instruction : 067 hrs.
- c. Entrepreneurial Instruction : 005 hrs.

### **Marks allotted :-**

1. Practical : 400
2. Theory : 100

<b>Theory</b>	<b>(67 hrs)</b>
1. Definition and concept of Bee Keeping, Bee Keeper, Utility and uses of Bee Keeping.	(8 hrs)
2. Different species of Bee, Their nesting behavior, life cycle of Bees, Relationship with flowers and honey bees and their interdependence.	(10 hrs)
3. Different methods of Bee keeping, Bee keeping equipments, bee-hives, selection of apiary site.	(10 hrs)
4. Seasonal Bee-management, growth period, swarming period, swarming control, queen rearing. Bee products : Bee wax, Royal Jelly, Raw honey and good honey, Medical and food of honey.	(12 hrs)
5. Honey bee pollination - Role of Bees, Insect pests, Disease and other enemies and their control.	(10 hrs)
6. Bee keeping as a hobby, Preparation of bankable projects - commercial and semi commercial Bee keeping. Record keeping - uses of Bee wax, Different Govt. Department and agencies involved in the development of Bee-keeping programme.	(17 hrs)
 <b>Practical</b>	 <b>(288 hrs)</b>
1. Different Equipments of Bee keeping and their uses.	(20 hrs)
2. Identification of queen bee, male bee and worker.	(8 hrs)
3. Rearing of queen bee by artificial method	(25 hrs)
4. Increase of Honey Combs.	(25 hrs)
5. Seasonal Bee Management.	(30 hrs)
6. Extraction of honey and bee-wax.	(10 hrs)
7. Production of Royal Jelly.	(15 hrs)
8. Processed honey and its merits and utility.	(5 hrs)
9. Honey processing and preservation.	(20 hrs)
10. Identification of disease, insects and other enemies.	(30 hrs)
11. Identification of trees where pollination and honey production takes place.	(35 hrs)
12. FirstAid of Bee Venoms.	(10 hrs)

13.	Transportation and marketing of honey.	(10 hrs)
14.	Economics Bee Keeping and record keeping.	(10 hrs)
15.	Visit of apiaries and discussion with Bee Keeper.	(35 hrs)
	<b>Total</b>	<b>288 hrs</b>

### ENTREPRENEURIAL INSTRUCTION

S. No.	Course Curriculum	Hours
1.	Brief idea about Bee Keeping.	
2.	Preparation of various schedules as per need for vetting to Financial Institution / Lead Bank for obtaining loan.	
3.	Maintenance of Accounts, Labour Capital.	
4.	Man Management, Communication, Motivation.	
5.	Visit of Bee Keeping farm of repute for gathering experience.	
6.	Operational Management.	
7.	Market Survey.	
8.	Quality Control.	
9.	Idea about general hygienic care around Bee Keeping hives.	
		<b>Total 05 hrs</b>