No. FBI/KVIC/O.G.-H.M./ 2017-18                         Dated: 21-03-2018

To,
The Director/ Dy. Director
State/ Divisional Office /MDTC/ SBEC In charges
Khadi & Village Industries Commission

Sub:— Operational Guidelines for Major Honey Mission --reg.

Sir,

Please find enclosed herewith the Operational Guidelines of Major Honey Mission for further needful action at your end.

Thanking you,

Yours faithfully,

(S. N. Sonkusale)
Dy. Director,
I/c, FBI
Gramodaya, 3, Irla Road, Vile Parle (W),
Mumbai – 400056.
Phone : 022-26708064, Fax : 022-26708064
Email – fbi@kvic.gov.in Web : www.kvic.gov.in
Directorate of Forest Based Industry
KVIC- Honey Mission
21-03-2018

Operational Guidelines for Major Honey Mission

1. INTRODUCTION:
   a. Beekeeping is an important, sustainable, integral Forest, social forest and Agricultural supporting activity under the rural development programme in India, since it provides nutritional, economic, and ecological balance, while providing employment and income. The knowledge of agro-climatic conditions, the diversified flora, changing Agri/horticultural pattern of the crop, the no. of species of bees available coupled with management practices play a vital role in transforming the beekeeping entrepreneurship in the country. India has the good potential for beekeeping mostly in all the states.
   b. Beekeeping as the very low investment and skills Industry have the potential to offers direct employment to lakhs of people especially hill dwellers, tribal and unemployed youth and farmers. Sustainability of this industry is therefore vital to the country’s economic wellbeing and development.
   c. Beekeeping has been carried out across many generations in India. It plays a vital role in the livelihoods of the rural communities in four dynamics;
      (i) it is an income generating activity;
      (ii) provides food and medicine - value of honey and other hive products are invaluable;
      (iii) it supports agricultural activities through cross pollination and increase in yield of crops
      (iv) it contributes immensely to forest conservation.
      (v) It provides supplementary income to farmers/ Tribal etc.
   d. Hon’ble Prime Minister of India viewed this opportunities and advised the authorities to explore the possibilities to create employment in Tribal regions and Left Wing Effected (LWE) areas, Backward Districts of the country and announced to take up mass honey production as Sweet Kranti (Sweet Revolution) in the lines of “Shwate Kranti” (White Revolution) in Mission mode. In response to that, Ministry of MSME in-principle approval / sanction of Rs. 49.78 Crores in favor of KVIC for Honey Mission with the aims to provide sustainable employment and income to rural & urban unemployed youth, both educated & uneducated, men & women by conserving the honeybee habitat and tapping untapped natural resources.

2. OBJECTIVES:
   a. Create an end-to-end implementation framework for beekeeping skill development, which provides employment opportunities and income generation to agriculturists, beekeepers rural & urban unemployed youth.
   b. Enforce nationally acceptable standards of Good Beekeeping Practices (GBP) in the country.
   c. Develop a network of quality master trainers in the field of beekeeping for imparting Good Beekeeping / Apicultural Practices.
   d. Offer a passage for overseas market for hive products.
   e. Enable pathways from novice beekeepers to viable commercial beekeeping by handholding to credit linkages.
   f. Promote convergence and co-ordination between all the stakeholders of beekeeping in India.
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**KVIC- Honey Mission**

**g.** Maintain a national database, which will act as a portal for matching the demand and supply in the country. On the other hand, it will also serve as a platform for monitoring the performance of existing beekeepers and their skills, available bee colonies and their production in each state.

**h.** To tap the local & rural natural resources for generation of income and employment to rural & tribal people in selected pockets.

**i.** To bring qualitative & quantitative enhancement in honey & hive products for export and domestic market.

**j.** To promote beekeeping for increasing the crop productivity and pollination services avenue for beekeepers and farmers.

**3. TARGETS :**

1. **Physical:** Under Honey Mission program about 1,02,000 bee hives with bee colonies have been proposed to be distributed to the 10,200 beneficiaries (10 Bee hives & Bee colonies to each beneficiary).

2. **Financial:**
   1. Budget for Beehives & Bee colonies for Non NEZ – Rs. 3020 Lakhs (30.20 Cr.)
   2. Budget for Bee hives & Bee colonies for NEZ – Rs. 504.88 Lakhs (5.04 Cr.)
   3. Budget for Backwards & Forward Linkages for NEZ & NON NEZ Rs. 1453.14 Lakhs (14.53 Cr.)

4. **CONTRIBUTION OF BENEFICIARY AND KVIC :**

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Particulars</th>
<th>Beneficiaries contribution</th>
<th>KVIC Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>SC</td>
<td>ST</td>
</tr>
<tr>
<td>1</td>
<td>Non North Eastern States (Non NEZ)</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>2</td>
<td>North Eastern States (NEZ)</td>
<td>NIL</td>
<td>NIL</td>
</tr>
</tbody>
</table>

1. 10 bee hives and bee colonies will be provided to each beneficiary.

2. The own contribution is to be collected 20% from the beneficiary in **NON NEZ**, on the cost of bee hives and bee colonies. For example, If cost of one bee hive with colony is Rs. 4500/-, the 20% own contribution will be @ Rs. 900/- per bee hive with colony and for 10 bee hives with colony it will be Rs.9,000/-.

3. The own contribution is to be collected 10% from General candidates only in **NEZ** on the cost of bee hives and bee colonies. For example, If cost of one bee hive with colony is Rs. 3.500/-, the 10% own contribution will be Rs. 350/- per bee hive with colony and for 10 bee hives with colony it will be Rs.3.500/-.

5. **Procurement and distribution of bee hives and bee colonies :** The all SO/DO should ensure the procurement of the bee hives and bee colonies as per specification (already provided in specimen copy of TOR) and distribution to the beneficiaries as per criteria given in detailed guidelines (already provided to all SO/DO’s)
6. ACTIVITIES TO BE CONDUCTED:

a) Awareness / Advertisement :

1) 12 one day awareness programs earmarked and may be conducted as per need in the state.
2) The main purpose of awareness program is to make aware of the unemployed youth/ Tribal and farmers for the beekeeping and its benefits. So that they can participate in Honey Mission Program.
3) The awareness program may be conducted through School/ Colleges/ Gram Panchayat in rural area.
4) Funds allocated to each awareness camp @ Rs. 25,000/-.
5) The Financial module for awareness program is enclosed as annexure-A

b) Identification and selection of beneficiaries :

1) The candidates trained in previous years by the respective SBEC or any other Govt. body/ Beekeeping NGO may be selected as per eligibility criteria given in the Detailed Scheme & Guideline (Already provided to all field offices), if the details available with the respective field office.
2) If, the trained candidates not available with the field offices, then they may invite applications from potential beneficiaries through advertisements in local media/ awareness program.
3) For inviting the application from trained candidates, field office may also approach to the other Govt. Departments/ DAI/ KVIB/ NABARD involved in beekeeping or conducting the training in beekeeping and also approach the organizations like NYKS, SC/ ST/ Minority Finance & Development Corporation, MWCD, AWWA, Panchayat Raj Institutions, State Women & Child Development Corporation, State Designated Authorities of Agricultural and Horticultural Departments etc.

C) Selection of Honey Bee Assistant or Master Trainer’s:

1) The provision for Honey Bee Assistant or Master Trainer’s has also been made in the project for conducting the beginner’s beekeeping training to the untrained candidates.
2) Each state may identify local beekeeping trainers and train them under master / trainers training program at CBRTI/ SBEC.
3) The Honey Bee Assistants/ Master Trainer will act as trainer and caretaker for the colonies for two seasons from the date of delivery of colonies.
4) Maximum 10 Nos of very good Honey Bee Assistant or Master Trainer’s shall be engaged in each potential state.
5) For 50 to 75 candidates/beneficiaries, one Honey Bee Assistant may be engaged.
6) The field office will select and empanelled of Honey Bee Assistant/ Master Trainer’s as per eligibility criteria given in the Detailed Scheme & Guideline (implementation methodology, eligibility criteria, release of funds to field offices)
7) The field office should issue ID (Identity card) number to each Master Trainers/ Honeybee Assistants.
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8) The fund provision for Honey Bee Assistant / Master Trainer will act as service provider (Extension). Training cost @ Rs. **35,000 per batch in Non NEZ** and @Rs. **40,000 per batch in NEZ** have been earmarked. The amount includes cost of training and cost of service charges in favor of Honeybee Assistants/ Master Trainer.

9) The Honeybee Assistant/ Master Trainer shall be paid @ Rs. 150/- per day per person for 5 days training program in NE States and @ Rs. 140/- in Non NE States. i.e. For a batch of 25 candidates, an amount of Rs.18,750/- for 5 days in NE States.

10) Example: In NE States, the payment of 18,750 shall be paid in three equal installments. i.e. Rs. 6, 250/- on the day of completion of beginner’s beekeeping training and distribution / supply of hives and bee colonies. Rs. 6250/- on the day of completion of 1st HandholdingTraining(i.e. Practical Training, on “Extraction of Honey” during honey flow season and Rs. 6, 250/- on the day of completion of 2nd handholding training i.e. Practical Training on colony division in breeding season.)

11) Financial modules are at **Annexure- B-I (For Non NEZ) & B-II (For NEZ).**

12) After two seasons, if the beneficiary desires to have the services of Honeybee Assistant, @Rs.50/-per hive plus transportation may be decided between the beneficiary and Honeybee Assistant/ trainer. He/ she will also collect data of the beneficiaries, colonies inspection reports and submit to respective State / Divisional Offices of KVIC and State Beekeeping Extension Centers (SBCE).

d) Training for Beginner training cum Handholding:

1) If, Beneficiary/ farmers are untrained, they may trained on beginner beekeeping cum handholding training through SBEC / CBRTI/Honeybee Assistant OR Master Trainer’s.

2) The separate fund provision made for beginner’s beekeeping training through Master Trainer/ Honey Bee Assistant involving cost of handholding for each state as per target.

3) Similarly, for beginners training for distribution of bee hives and colonies separate fund provision is made available for SBEC and CBRTI. Module **Annexure- C.**

4) The Training Financial Module for beginners training through Honeybee Assistants/ Master Trainers enclosed as **Annexure- B-I & B-II.**

e) Beekeeping in School:

1) In order to spread “Sweet Kranti”(Sweet Revolution) the provision has also been made to introduce potential schools / colleges namely “beekeeping in school” for bringing awareness and promoting scientific beekeeping. These schools can also be used as one of the nearby training and demonstration venue

2) 05 such program of “beekeeping in school” in each state has been allotted with financial outlay of Rs. 30,000.00 per schools.

3) The financial module of beekeeping in school is enclosed herewith as **Annexure- D.**
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f) Beekeepers Meet:
   1) The purpose of beekeepers meet is bring people to discuss the different beekeeping practices adopted for common awareness and to exchange their experience, technology, good beekeeping practices, problems etc. among the beekeepers to each other.
   2) 04 beekeepers meet has been proposed in each KVIC field offices.
   3) The budget allocated for beekeepers meet is @ Rs. 50,000 per meet.
   4) The financial module for beekeepers meet is enclosed as Annexure – E.

g) Procurement of Bee Hives, Bee colonies, Tool kit, Honey Extractor and CF Sheet etc.: -
   1) The respective field office will be procured bee hive, bee colonies and other required bee equipment as per GFR through committee.
   2) Supply bee hives with live colonies and hive tools (smoker, knife, bee veil and hive tool) along with bee hives and colonies and form them into groups.
   3) After forming into groups and open an account, the Honey extractors and CF sheet benefits may be extended.

h) Distribution of Bee Hives, Bee colonies, Tool kit, Honey Extractor and CF Sheet etc.: -
   1) The respective field office to be distributed 10 bee hives with colony to each beneficiary.
   2) Unique ID should be put on each bee box.
   3) All field office should complete their target with in stipulated period.
   4) The state wise target of bee hives, bee colonies and backward forward linkages are mentioned in the detailed Scheme & guidelines as per annexure I to IV. (Provided along with Honey Mission Scheme Guidelines)

i) Provision of CF Sheet to the beneficiary:
   1) Under the project provision for providing CF sheet to each beneficiary is also made.
   2) Provision has been made for 10 CF Sheet to each bee colony i.e.100 CF sheet for 10 bee colonies in respect of each beneficiary.
   3) Budget allocated of Rs. 10 kg of CF Sheet (about 100 CF Sheet) may be provided to each beneficiary.
   4) Estimated budget of Rs. 5,000/- has been allocated for 100 nos of CF sheet i.e @Rs. 50 per sheet (100 CF sheet is about 10 kg of CF Sheet)
   5) After forming into groups and open an account, the Honey extractors and CF sheet benefits may be extended.

j) Provision of Honey Extractor to the beneficiary :
   1) Under the project provision has been made for providing SS made Honey Extractor to the beneficiary.
   2) One honey extractor is to be provided to the five beneficiaries (i.e. One Honey extractor for 50 honey bee colonies).
   3) Maximum estimated cost of one honey extractor (SS made) is proposed of Rs. 12000/-.
   4) After forming into groups and open an account, the S.S. Honey Extractors and CF sheet benefits may be extended.
k) Provide Tool Kits to the beneficiary:

1) Under the project provision has been made for providing one set of tool Kit (containing one Knife, Hive tool, smoker and bee veil) to the beneficiary.
2) One set of tool kit may be provided to each beneficiary on the day of supply of hives and colonies.
3) Maximum estimated cost of one tool kit is proposed of Rs. 750/-. 
4) Financial module for Tool kit is enclosed as Annexure – F.

l) Maintenance of DATA and reporting as per prescribed formats. The all respective field office should maintain the following data as per format and report to the central office on monthly basis.

1. Details of distribution of Bee boxes & bee colonies with Unique ID
2. Details of the multiplication of the colonies.
3. List of beneficiaries with complete details.
4. Details of Honey Production and other bee hive products
5. 75% Physical verification should be conducted by all field offices as through professional agency and reports to be submitted as per the format circulated within the stipulated period.
6. Physical verification of bee hives and bee colonies are also be conducted through a call center through Agency

m) Monitoring:

1) The all respective field offices should execute and monitor the whole program of Honey Mission having state honey mission committee (state Mission Team) constituted for the purpose.
   ➢ Data and photograph of Honeybee Assistants/ Master Trainers should be maintained by all State/ Divisional Offices; Zonal Offices, Central Offices; CBRTI and SBEC.
   ➢ Data and photograph of beneficiaries should be maintained by all State/ Divisional Offices; Zonal Offices, Central Offices; CBRTI and SBEC
   ➢ Data and photograph of colonies (Apiaries) supplied will be available with SBEC, CBRTI and Master Trainers and Honeybee Assistants.
   ➢ 75% physical verification will be completed by KVIC through professional agencies
   ➢ Data sheets provided.
2) State level Nodal Officers for honey mission is nominated.
3) National level Task Advisory Committee for the purpose.
4) Detailed functions and Terms of References of the all committee are elaborated in the Scheme & Guideline under institutional mechanism.
5) Sufficient budget for monitoring included for TA/DA, conveyance & event of distribution etc. are earmarked.

7. Methodology for Marketing:

1) Centralized or decentralized system will be adopted for collection & marketing of honey and other hive products for which the exercise for tendering process is under progress.
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2) Selected agency will be collected honey and other hive products from the apiary site / collection centers of beneficiary and will make the payment and market it with their own network.

3) Efforts are being initiated to make payment towards the cost of honey and other hive products directly to the beneficiary through DBT by selected Agency.

8. Collection of IRG :
   - All respective field offices shall be collected an amount of Rs. 1500/- from each beneficiary being the tuition / training fees as IRG.
   - The amount of IRG is to be remitted to Central Office, KVIC, Mumbai at the end of financial year.

9. Activity wise Module : Activity wise module under Backward/ Forward Linkages head for the following activity are enclosed as below :-

   1) Beekeeping Awareness Program – Annexure-A
   2) Beekeeping Beginners Training through Master Trainer (In Non -NEZ - Annexure-B-1)
   3) Beekeeping Beginners Training through Master Trainer (In NEZ - Annexure-B-2)
   4) Beekeeping Beginners Training through SBEC – Annexure-C
   5) Beekeeping in School - Annexure-D
   6) Beekeepers Meet – Annexure-E
   7) Tool kit – Annexure-F

10. Role and Responsibilities : -

   a. ROLE OF CENTRAL BEE RESEARCH & TRAINING INSTITUTE, PUNE

   1. One of the main objective of Mission Mode is that the area of beekeeping program is to be widened by standardizing collection, handling and processing methods with its physical and chemical analysis and its parameters, quality control, preservation, commercial production and packaging of new bee hive products viz. Pollen, Royal Jelly, Propolis, Bee Venom, Bee Wax, etc. and also by giving special attention on honey and other bee hive mixed products in terms of increasing food value and medicinal value, thereby increasing the earnings of beekeepers. CBRTI should pay full attention on these areas and also give consultation to the needy people on various technical issues and managerial aspects of beekeeping.

   2. In the entire Honey Mission technical supported will be provided by CBRTI, KVIC, Pune and their infrastructure / manpower will be utilized.
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3. CBRTI, KVIC, Pune will collect colonies inspection reports from field / honeybee Assistants and guide them in maintaining healthy colonies. The data collected will compile and validate by CBRTI.
4. CBRTI will supply floral colanders and migratory routes for facilitating beekeepers for migrating their colonies.
5. CBRTI will Collects honey samples from each state and test in the laboratory of CBRTI for ensuring the quality of honey produced under KVIC- Honey Mission.
6. CBRTI will prepare professional short films on beekeeping for utilizing in awareness / training / workshops and to disseminate beekeeping technologies to field through Honey Mission.
7. CBRTI should restructure the training schedule under beekeeping program on real needs of the filed requirement in the changing scenario.
8. Providing Technical Assistance to the needy State Beekeeping Extension Centers in respect of Queen Rearing, bee breeding, quality control of honey, Pollen collection & other Bee Hive Products and bee disease managements etc.
9. Fallow up with Honeybee Assistants/ Trainer / SBECs for collecting honey samples for quality check and provide feedback and suggestive measures on samples checked / tested on need basis.
10. Preparation of Training syllabus and training modules
11. Providing technical inputs to identified bee breeders
12. Dissemination of technology in bee-management through Beekeeping Extension Centers/Honeybee Assistants/ Trainer
13. Coordinating and participating Conducting workshop cum training in advance technology
14. Arranging training for bee hunters / wild honey collectors through NGO's in consultation with respective state KVIB(s)
15. Arranging workshop and demonstrating on bee pollination
16. Endeavoring for convergence with like-minded agencies.
17. Preparation of short films on all the beekeeping training programs and all other hive products technologies through professionals.
18. Maintain complete beekeeping database at CBRTI.
19. Any other as per the advice of the National Advisory Committee for Honey Mission.

2. ROLE OF STATE AND REGIONAL DIRECTORS

1. Forming state level beekeeping mission teams / state monitoring committee and conducting state level and district level awareness programs.
2. Beekeeping potential pockets should be identified as per the tentative list, so that the visibility of the impact of the mission can be seen and the beneficiary will reap the fruits of the program.
3. Giving necessary advertisements and local press meets with the due consent of Dy. CEO (respective zones) to popularize the mission program.
4. To prepare month wise and activity wise action plan for implementation for placing in committees for approval of Dy. CEO (Respective Zones)
5. Selection of Honeybee Assistants/ Master Trainer / Beekeeping NGO.
6. Procuring bee hives and bee colonies as per GFR
7. Identification of entrepreneurs and master trainers for arranging training through State Beekeeping Extension Centers
8. Identifying and notifying the bee equipment and bee colonies suppliers in the state.
9. Linkage with financial institutions/ banks for facilitating trainees to avail finance under PMEGP.
10. To collect data on honey produced by the bee colonies supplied with names of the persons in two
11. Registration and issuance of identity card to the Master Trainers / Honeybee Assistants.
12. Networking with local or nearest Honey Processors (HPP)/ Beekeeping Clusters to collect the honey, processing and packing.
13. Arranging leading Beekeepers meets in potential Districts
14. Supporting & linking stakeholders and coordinating
15. Any other work assigned by the authority from the Central Office.
16. To set monthly, quarterly and annual targets to state team.
17. To ensure quality training, Aadhaar seeding and social security schemes etc. across all beekeeping development programmes being implemented under honeybee mission.
18. Ensure to upload photos with appropriate captions and reports on the various events like training, field demonstrations, distribution of beehives, bee colonies and equipment, places, where the hives are located and name of the person responsible for the hives and handholding, collection and sale of honey, etc. under the State jurisdiction.
19. Maintain a detailed record of the number of boxes and colonies distributed. A unique id number for each of the bee hive, which is tamper proof should also be placed in the beehive, so that these beehives can be verified and located whenever required.
20. Fortnight reports should be sent to the Directorate of Forest Based Industry for placing before the Monitoring Committee
21. To prepare and validate the annual training calendar.
22. Coordinate and converge with local beekeeping NGOs, Master Trainers and Beekeepers in order to align objectives outlined in the Honey Mission’s Action Plan.
23. Any other work assigned by Central Steering Committee.
24. Most importantly, focus on two verticals & credible Quality Assurance framework with Good Beekeeping Practices (GBP) and Fair Trade Practices to align the outcome and increase.

3. ROLE OF STATE BEEKEEPING EXTENSION CENTERS/ KVK/ Beekeeping NGO
1. Coordinating with State / Divisional Offices.
2. Submitting weekly reports to State / Divisional Offices.
3. Conducting Awareness Camps / advertisements for inviting prospects from SHGs / forming beekeeping SHGs and individuals.
4. Assisting beekeepers in preparation of beekeeping model projects and forwarding to Banks through State / Divisional Offices for PMEGP.
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5. Helping beekeeping entrepreneurs to set up the apiary units and maintaining beekeepers and their respective bee colonies database and record.

6. Timely submission of Expenditure Statements through State / Divisional Offices.

7. Collection of data in respect of new floral sources, honey in terms quantity and number of colonies in the state.

8. Conducting exposure visits to potential beekeepers.

9. Informing beekeepers in preventing methods for controlling bee diseases in the state.

10. Maintaining 50 bee colonies for the purpose of training and a bee nursery with its breeding objectives.

11. Promoting pollination services with farmers through beekeepers.

12. Ensuring supply of CF Sheets and other tools to beekeepers.

13. Imparting training on other bee hive products for its commercial production to beekeepers.

14. Encouraging beekeepers to form a self-help-groups in order to take more advantage of KVIC schemes like SFURTI/PMEGP in setting up of Honey Processing Plant and CFC.

15. Develop linkages with NHB, NGOs, Agri. Universities / Collages and other like-minded agencies for convergence.

16. Attending and submitting the information to State Monitoring Committee.

17. To collect data on honey produced by the bee colonies supplied.

18. Any other work assigned by the authority time to time.

4. ROLE OF MASTER TRAINERS / HONEYBEE ASSITANTS

1. To impart 5 days beginners beekeeping training to new entrants as per the syllabus of CBRTI.

2. Handholding the trainees for one year / two seasons in order to teach and demonstrate;
   a) Extraction of honey and
   b) Multiplication of bee colonies by collecting @ Rs. 25/- per colony from the trainee.

3. Reporting to SBEC regularly and submitting the reports and data and assist SBEC.

4. Obtain certificate /letter of completion of handholding from the beneficiary with dates and cash receipts from the beneficiary for collecting remaining installments.

5. To collect / maintain data on name of the persons, no. of colonies given, no. of colonies generated and amount of honey & wax produced by the bee colonies supplied in excel sheet.

6. Attend awareness and exposure visit programs time to time.

5. ROLE OF EQUIPMENT & BEE COLONIES SUPPLIER
   a) Supply equipment and honeybee colonies as per the standard specification and terms fixed by the SBEC & State / Divisional Directors.
   b) Providing service / replacing the defect hives and colonies, if any, in time.

6. ROLE OF DIRECTORATE OF FOREST BASED INDUSTRY:
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1. Monitoring CBRTI, State Beekeeping Extension Centers and Mission program and coordinate the teams and committees.
2. Coordinating and providing policy support
3. Providing Budget support in time to time
4. Providing feedback and reporting to Commission time to time.
5. Conducting Orientation Programs to staff posted SBECs and CBRTI, Pune for effective implementation of Mission Program
6. Compile the data and upload in KVIC website
7. Reporting to Commission.

7. Composition and functions of these bodies have been described as follows: (Quarterly Review Meeting- monthly updating)

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<tr>
<th>S. No.</th>
<th>Particulars of members</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Chief Executive Officer</td>
<td>Chairman</td>
</tr>
<tr>
<td>2.</td>
<td>Dy. CEO (V.I.)</td>
<td>Member</td>
</tr>
<tr>
<td>3.</td>
<td>Director (Finance)</td>
<td>Member</td>
</tr>
<tr>
<td>4.</td>
<td>Director (CBRTI)</td>
<td>Member</td>
</tr>
<tr>
<td>5.</td>
<td>Beekeeping Expert (retired beekeeping experts of KVIC / outside)</td>
<td>Member</td>
</tr>
<tr>
<td>6.</td>
<td>Beekeeping expert(retired beekeeping experts of KVIC / outside)</td>
<td>Member</td>
</tr>
<tr>
<td>7.</td>
<td>Dy. Director I/C (FBI)</td>
<td>Member Convener</td>
</tr>
</tbody>
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Functions of Central Steering Committee:
- Meeting shall be held once in a quarter to review all the activities and reports.
- Program fund management including disbursement of funds to field offices.
- Validating and uploading Empanelment & engagement of State wise Beekeeping Equipment manufacturers, Master Beekeeping Trainers (Bee Assistants); Bee Breeders / Commercial Beekeepers for supply of boxes / colonies with their respective capacity of supply.
- Preparation of strategy and implementation plan.
- Set targets and approve Annual Targets & Quarterly Plans.
- Review overall progress of Mission activities on quarterly and yearly basis through video conferences.
- The power of allocation/re-allocation of resources to States/implementing agencies, as well as approval of their Annual Action Plans, will fall within the purview.
- Develop national portals for online submission of data.
- Appraisal of individual Mini & Micro Beekeeping Clusters
- Placing in the Commission /SFC Meeting for approval and sanction
- Monitoring and evaluation of the Honeybee Mission program and reporting.
- Any other as desired by the committee.
8. **State Honey Mission Committee**- Chaired by Zonal Dy. CEO, who will also act as Honeybee Mission Dy. CEO. (Zonal Officer for the Mission) (Meetings shall convene monthly once)

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</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dy. CEO (Respective Zone)</td>
<td>Chairman</td>
</tr>
<tr>
<td>2.</td>
<td>Respective State Director / Divisional Director / his representative not less than Asst. Director of respective States in the zone</td>
<td>Members</td>
</tr>
<tr>
<td>3.</td>
<td>Beekeeping Expert (retired beekeeping experts of KVIC / outside) / SBECs of the respective state</td>
<td>Member</td>
</tr>
<tr>
<td>4.</td>
<td>Representative of KVK/ KVIB / DIC</td>
<td>Member</td>
</tr>
<tr>
<td>5.</td>
<td>Representative of NABARD/ Local Bank</td>
<td>Member</td>
</tr>
<tr>
<td>6.</td>
<td>Representative of Panchayat Raj Institution</td>
<td>Member</td>
</tr>
<tr>
<td>7.</td>
<td>Local State / Divisional Directors</td>
<td>Member</td>
</tr>
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Functions of Committee:

1. Selection of Beneficiary/ Honey bee Assistant/ Master Trainers for the program.
2. Procurement of bee hives and bee colonies, tool kits and required bee equipments as per GFR.
3. To obtain and validate state wise action plans for awareness, Training, Apiary setup and backward/ Forward linkages covering entire Honey Mission Program.
4. To resolve all inter-departmental execution issues.
5. To evaluate the all technical reports and validate
6. Ensure to provide photos with appropriate captions and reports on the various events like training (if conducted), Orientation, field demonstrations, distribution of beehives, bee colonies and equipment, places of programs conducted, where the hives are located and name of the person responsible for the hives and handholding, collection of data on production & sale of honey, etc. under the State jurisdiction.
7. Ensure to maintain a detailed record of the number of boxes and colonies distributed. A **unique id number** for each of the beehive, which is tamper proof should also be placed in the beehive, so that these beehives can be verified and located whenever required.
8. Converging beekeeping activities and other stake holders with Mission’s objectives and gap findings.
9. To implement and monitor activities at state level /Zonal level.
10. To coordinate implementation of all decisions of Central Steering Committee.
11. To ensure quality training, linking social security schemes etc. across all beekeeping development programmes being implemented under honeybee mission.
12. To validate the annual training calendar.
13. Encourage to converge with local beekeeping NGOs, Master Trainers and Beekeepers in order to align objectives outlined in the Honey Mission’s Action Plan.
Directorate of Forest Based Industry

KVIC- Honey Mission

14. Most importantly, focus on two verticals & credible Quality Assurance framework with Good Beekeeping Practices (GBP) and Fair Trade Practices to align the outcome and increase.

15. Coordinate efforts and monitor performance of individual Missions to provide end-to-end solutions towards achieving the objectives of Missions.

16. Create & tie-ups with institutions to facilitate information sharing.

17. Any other issues as desired by the Central Steering Committee.

9. State Level Nodal Officer – An Officer not less than Executive (FBI/ V.I.)/ (ADO)/AD (V.I.) shall be nominated by each State Office / Divisional Office be nominated as Nodal Officer for KVIC- Honey Mission. He / She shall be assisted / handheld by the beekeeping technical persons in technical aspects, if happened to be non-beekeeping official. The KVIC- Honey Mission’s Nodal Officer's functions, roles and responsibilities are as under:

Functions:

1. To advertise, make publicity and conduct awareness programs in the State in consultation with State / Divisional Offices and respective SBECs and select the candidates for the program, if the list of trained candidates trained by KVIC/KVIB/Agriculture – Horticulture Boards/ NABARD/ KVK(s)/ Eligible Beekeeping NGO(s), etc. not available.

2. To prepare state wise action plans in consultation with SBEC / technical staff of FBI / Beekeeping experts from the state committee.

3. To prepare time line for implementing the drawn action plan annual training calendar prepared by the each state.

4. To organize awareness camps, training, review meetings etc

5. To resolve all local execution issues.

6. Preparing and submitting the monthly progress report on Honey Mission in three different data collecting formats.

7. To coordinate implementation of all decisions of Steering Committee and State Committee.

8. To ensure quality training, Aadhaar seeding and social security schemes etc. across all beekeeping development programmes being implemented under honeybee mission.

9. Ensure to collect photos with appropriate captions and reports on the various events like training, field demonstrations, distribution of beehives, bee colonies and equipment, places, where the hives are located.

10. Maintaining the list names of the person responsible for the hives, training and handholding, collection and sale of honey, etc. by the respective State / Divisional Directors.

11. Maintain a detailed record of the number of boxes and colonies distributed. A unique id number for each of the bee hive, which is tamper proof should also be placed in the beehive, so that these beehives can be verified and located whenever required.

12. Monthly reports should be sent to the Directorate of Forest Based Industry for placing before the Monitoring Committee.
13. Coordinate and converge stakeholder’s efforts in order to align them with the broad national objectives outlined in the Mission’s Action Plan.

14. Coordinate efforts and monitor performance of individual Missions to provide end-to-end solutions towards achieving the objectives of Missions.

15. Create & tie-ups with institutions to facilitate information sharing.

16. Any other work assigned by Central Steering Committee, State Honey Mission Committee and Incharge of Directorate of FBI, Central Office, KVIC, Mumbai.

17. Most importantly, focus on two verticals & credible Quality Assurance framework with Good Beekeeping Practices (GBP) and Fair Trade Practices to align the outcome and increase.

11. National Level Task Advisory Committee:

National Level Task Advisory Committee for KVIC-Honey Mission constituted with following members in order to have the suggestions, guidance, while formulating & executing the Honey Mission Program in the country. The Committee will evaluate the performance of the program and suggest line of action for effective implementation of the KVIC-Honey Mission program in State(s):

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name &amp; designation</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ms. Preeta Verma, CEO, KVIC, Mumbai. Email id: <a href="mailto:ceocell.kvic@gov.in">ceocell.kvic@gov.in</a> Contact No. 022- 26711577</td>
<td>Chairperson</td>
</tr>
<tr>
<td>2.</td>
<td>Shri. Ashok Bhagat, Member (RD), KVIC. Email id: <a href="mailto:vikasbharati1983@hotmail.com">vikasbharati1983@hotmail.com</a> Contact No. +91 9431118213 +91 9334381508</td>
<td>Expert Advisor</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. R.C. Mishra, Ex. Director, ICAR. Email: <a href="mailto:rameshwarmishraroda@gmail.com">rameshwarmishraroda@gmail.com</a> Contact: +919816011253</td>
<td>Expert Advisor</td>
</tr>
<tr>
<td>4.</td>
<td>Dy. CEO (Honey Mission), KVIC, Mumbai. Email id: <a href="mailto:brmtkr@yahoo.co.in">brmtkr@yahoo.co.in</a> Contact No. +91 9923441062</td>
<td>Member</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Padma Sudarshan, No. 23, Sankalp Chaitanya, Double Road, Kuvempu Nagar, Mysore – 570023 Karnataka, Mobile: 09731862533; Emailed: <a href="mailto:padma.sudarshan@gmail.com">padma.sudarshan@gmail.com</a></td>
<td>Member</td>
</tr>
<tr>
<td>6.</td>
<td>Shri. B.P. Singh, Ex. Dy. Director (Beekeeping- FBI) Email id: <a href="mailto:bpsdd25@gmail.com">bpsdd25@gmail.com</a>; Contact No. +917526029829</td>
<td>Member</td>
</tr>
<tr>
<td>7.</td>
<td>Ms. Chayya Nanjappa, Nectar Fresh Mysore Email id: <a href="mailto:md@nectarfreshfoods.com">md@nectarfreshfoods.com</a> Contact No. +919880055606</td>
<td>Member</td>
</tr>
</tbody>
</table>
### Directorate of Forest Based Industry
#### KVIC- Honey Mission

<table>
<thead>
<tr>
<th>No.</th>
<th>Member</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.</td>
<td>Shri. Gobinder Singh (Jonty Randhwa), Big B Association, GT Road, Village- Doraha, Ludhiana, Punjab - 141 421. Email id: <a href="mailto:bigbassociation@yahoo.com">bigbassociation@yahoo.com</a>  Cell: +91 7508600052</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>In-charge CBRTI/ Representative of CBRTI Not less than AD-II (Beekeeping), KVIC, Pune Tel. No. 020-25655351 (Fax) <a href="mailto:cbrtipune.kvic@gov.in">cbrtipune.kvic@gov.in</a></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Dy. Director I/C, Forest Based Industry, KVIC, 3, Irla Road, Vile Parle (W), Mumbai-56; Email id: <a href="mailto:fbi@kvic.gov.in">fbi@kvic.gov.in</a> Fax: 022-26708064</td>
<td>Convener</td>
</tr>
</tbody>
</table>

Note: There may be special invitees’ provision for the committee with the permission of the Chair.

### Terms of References for the Committee

1. The National Level Advisory Committee (NLAC) for KVIC-Honey Mission will meet in every quarter and submit their reports to the competent authority about ongoing performance of the honey mission.

2. The Committee will be responsible for supervising and implementation of prestigious honey mission program of KVIC and give the feedback from the field solving the difficulties, if any that are being faced by the KVIC/Beekeepers/ Farmers/ Honey processing Units/ Honeybee Entrepreneurs, etc. in the implementation of Honey Mission.

3. All the members of the Committee for Honey Mission including the special invitee will be given honorarium @ Rs.2, 000/- (Rupees Two Thousands Only) for one sitting and T.A. & D.A. admissible as per the Group “A” Officers of KVIC.

4. The committee will remain valid for two years unless until renewed with the due approval from competent authority.

\[Signature\]
Dy. Chief Executive Officer  
(Honey Mission/ V.I.)
1- Financial Module for Awareness Program under Major Honey Mission:

### Annexure-A

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particulars</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hall arrangement with LCD, OHP, etc.</td>
<td>5,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Lunch, Tea and Snacks for 100 persons @ Rs.125 X 100 = 12500/-</td>
<td>12,500/-</td>
</tr>
<tr>
<td>3</td>
<td>Publicity, Stationary and Study materials, Banner</td>
<td>5,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Honorarium for 2 person @ Rs. 500 X 2 = 1000/- per person</td>
<td>1,000/-</td>
</tr>
<tr>
<td>5</td>
<td>Miscellaneous</td>
<td>1,500/-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>25,000/-</strong></td>
</tr>
</tbody>
</table>

Permitted for interchange of head without disturbing Sr. No. 4 and changing the total.

2. Financial Module for 5 days Beginners training program Through Master Trainer consisting 25 candidates for Non North East Zones (Non NEZ)

### Annexure- B-I

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particulars</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cost of Venue arrangement</td>
<td>--</td>
<td>2,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Tea and snacks and working lunch</td>
<td>@ Rs. 100/- per candidate</td>
<td>12,500/-</td>
</tr>
<tr>
<td>3</td>
<td>Education materials (Translation of manuals in local language &amp; Training materials)</td>
<td>@ Rs. 120 per candidates</td>
<td>3,750/-</td>
</tr>
<tr>
<td>4</td>
<td>Cost of &quot;Honey Bee Assistant &quot; for imparting beginners training and hand holding for two seasons.</td>
<td>@ Rs. 140/- per day per person</td>
<td>17,500/-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>35,000/-</strong></td>
</tr>
</tbody>
</table>

Permitted for interchange of head without disturbing Sr. No. 4 and changing the total.
a. Financial Module for 5 days Beginners training program Through Master Trainer consisting 25 candidates for North East Zone (NEZ):

**Annexure – B-II**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particulars</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cost of Venue arrangement</td>
<td></td>
<td>2,500/-</td>
</tr>
<tr>
<td>2</td>
<td>Tea and snacks and working lunch</td>
<td>@ Rs. 120/- per candidate</td>
<td>15,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Education materials</td>
<td>@ Rs. 150 per candidates</td>
<td>3,750/-</td>
</tr>
<tr>
<td></td>
<td>(Translation of manuals in local language &amp; Training materials)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Cost of &quot;Honey Bee Assistant&quot; for imparting beginners training and hand holding for two seasons.</td>
<td>@ Rs. 150/- per day per person</td>
<td>18,750/-</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td></td>
<td>40,000/-</td>
</tr>
</tbody>
</table>

3. Financial Module for 5 days Beginners training program Through State Beekeeping Extension Centers consisting 25 candidates:

**Annexure-C**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particulars</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tea and snacks</td>
<td>@ Rs. 75/- per candidate</td>
<td>9,375/-</td>
</tr>
<tr>
<td>2</td>
<td>Education materials</td>
<td>@ Rs. 100 per candidates</td>
<td>2,500/-</td>
</tr>
<tr>
<td></td>
<td>(Translation of manuals in local language &amp; Training materials)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Misc.</td>
<td></td>
<td>625</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td></td>
<td>12,500</td>
</tr>
</tbody>
</table>

Permitted for interchange of head without disturbing Sr. No. 4 and changing the total.
4. Financial Module for Beekeeping in Schools providing with Bee colonies along with tool kits to each school.

**Annexure- D**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particular</th>
<th>No. (Unit) of Equipment</th>
<th>Rate (In Rs.)</th>
<th>Amount (In Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Live bee colonies with hive</td>
<td>5</td>
<td>4,500/-</td>
<td>22,500/-</td>
</tr>
<tr>
<td>2</td>
<td>Hive stands</td>
<td>5</td>
<td>250/-</td>
<td>1,250/-</td>
</tr>
<tr>
<td>3</td>
<td>Smoker</td>
<td>1</td>
<td>250/-</td>
<td>250/-</td>
</tr>
<tr>
<td>4</td>
<td>Frame feeders</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Hive tool</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Bee Vail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Swarm Bag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>SF Sheet supplied</td>
<td></td>
<td></td>
<td>2,500/-</td>
</tr>
<tr>
<td>9</td>
<td>Sugar supplied</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Transportation Charges</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Honorarium for master Beekeeper</td>
<td></td>
<td>500/-</td>
<td>3,000/-</td>
</tr>
<tr>
<td></td>
<td>for Six visit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Miscellaneous</td>
<td></td>
<td></td>
<td>500/-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>30,000/-</strong></td>
</tr>
</tbody>
</table>

5. Financial Module for Beekeepers Meet under Major Honey Mission:

**Annexure-E**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particular</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hall arrangement with LCD, OHP, etc.</td>
<td>8,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Lunch, Tea and Snacks for 100 persons (@ 250x 100 = 25,000/-)</td>
<td>25,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Publicity, Stationary and Study materials, Poster Banner, Photography etc.</td>
<td>7,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Honorarium for 2 person @ Rs. 1000 X 2 = 2000/- per person</td>
<td>3,000/-</td>
</tr>
<tr>
<td>5</td>
<td>Surface Transport</td>
<td>4,000/-</td>
</tr>
<tr>
<td>6</td>
<td>Miscellaneous</td>
<td>3,000/-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>50,000/-</strong></td>
</tr>
</tbody>
</table>

Permitted for interchange of head without disturbing Sr. No. 4 and changing the total.
Directorate of Forest Based Industry
KVIC- Honey Mission

6. Financial Module for Tool Kits Under Major Honey Mission:

**Annexure -F**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the equipments</th>
<th>Quantity</th>
<th>Approximate cost / item (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Smoker</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Bee veil</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Hive Tool</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Uncapping knife</td>
<td>01</td>
<td>750</td>
</tr>
<tr>
<td>6</td>
<td>Feeding vessels</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Ant Wells (5Nos each Hive)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>750.00</strong></td>
</tr>
</tbody>
</table>

**Note**: The tool kit may be provided as per bee species.
SYLUBUS FOR NEW ENTERANTS

Duration: 5 days (3 Hours Theory and 10 Hours Practical)

Theory 15 Hours @ 3 Hours per day

1. Introduction to beekeeping
2. Different species of honeybees and their nesting behavior.
3. Colony organization, and division of Labor
4. Different castes of bees and Anatomy
5. Different types of hives used in India and other beekeeping equipment.
6. Bee management in different seasons.
7. Selection of Apiary site and establishment of Apiary.
8. Multiplication and uniting of bee colonies
9. Identification of diseases and their control measures.
10. Pests and predators and precautions.
11. Bee flora and important Nectar and pollen yielding plants in India
12. Importance of Bee pollination and crops benefited by bee pollination.
13. Honey its uses and other products.
14. Hygienic honey and wax collection from wild bees.
15. Schemes/finance from Banks.

Practical 10 hr @ 2 hr per day

1. Identification of different bee species and castes of bees and museum visit
2. Beekeeping equipment and Film show on Flowers and bees
3. Colony inspection and maintenance of records
5. Colony inspection by students, Visit to nearby Honey processing plant, etc.
Directorate of Forest Based Industry
KVIC- Honey Mission

Syllabus for skill up gradation

Duration: 5 days @ 3 Hours

1. Introduction include different types of bees their nesting behavior
2. Modern beekeeping with movable hives and different hive designs
3. Different parts of the hive, other equipment their importance
4. Selection of Apiary site and migration.
5. Seasonal bee management during Growth period and honey flow period.
7. Swarm control and division of colonies.
8. Importance of Queen rearing and bee breeding.
9. Bee forage plants and Bee plant propagation.
10. Pollination, Crops benefited by bees
11. Bee disease management
12. Importance of maintaining supers and honey harvesting.
13. Quality parameters and precautions in storing honey and honey uses.
15. Economics of beekeeping, Schemes of KVIC, PMEGP, NABARD and entrepreneurship with model project

Practical 5 days @ 3 Hours

1. Colony handling, Colony inspection and maintenance of records
2. Colony capturing and hiving bees, queen introduction, uniting and division.
3. C.F. sheet fixation and wiring frames, feeding bees, Packing bees for migration.
4. Disease identification and control
5. Honey extraction, storing of honey and extraction of bees wax
Syllabus for Collection and Preservation of
Royal Jelly, Bee Pollen, Propolis and Bees Wax

Royal jelly, Bee Pollen, Propolis, Bees Wax Collection and Processing of these products training will be attended by the beekeepers only, those have the basic knowledge in proper maintenance of bee colonies. Beekeepers could not leave their bee colonies for more than 10 days to attend the training courses to be conducted in CBRTI. The food and stay is expensive in Pune. For three months to stay in Pune at least they have to spend Rs.50,000 (200+300 x 90) food and stay. It is not possible to the beekeepers coming from the weaker section of rural areas.

The course duration for two weeks is sufficient to train them in the corresponding field. Even KVIC officials and Institution people were trained in collection of pollen and Royal Jelly at Chengmai Thailand under UNDP Programme, it was two weeks training Course. Considering the facts the training courses were proposed by CBRTI for 5 days.

1. This course will be conducted in two weeks with Theory 20 Hours, Practical 30 Hours
   2. Registration
   3. Welcome and Introduction
   4. Aims and objectives of the training
   5. Present status of beekeeping in India and other countries
   6. Different bee products

2. Royal Jelly Collection and Preservation 6 Hours Theory 12 Hours Practical
   1. What is Royal Jelly and its secretion in the glands
   2. Selection of colonies for royal jelly production.
   3. Preparation of colonies for Royal Jelly production
   4. Royal jelly secretion and utilization in the hive
   5. Equipments for Royal jelly production
   6. Use of artificial queen cells and their quality
   7. Adequate food and simulative feeding
   8. Suitable conditions for Royal jelly production
   9. Number of cell cups per hive
   10. Grafting techniques
   11. Harvesting techniques
   12. Preservation of Royal Jelly
   13. Transportation and Processing
   14. Composition of Royal Jelly
   15. Quality parameters and standards
   16. Uses of Royal Jelly
   17. World scenario and Marketing of Royal Jelly
   18. Preparation of Royal Jelly based products

3. Bee Pollen Collection and Preservation 6 Hours Theory 3 Hours practical
   1. Pollen formation in anthers
   2. Different types of pollen traps and suitable pollen trap for India
   3. Pollen trap design and dimensions of pollen trap
   4. Pollen trap utilization
   5. Pollen collection and cleaning
Directorate of Forest Based Industry
KVIC- Honey Mission

6. Segregation of pollen for Uniflora
7. Pollen drying methods and Preservation of pollen
8. Chemical composition and Nutritive properties of pollen
9. Preparation of pollen products and Marketing

4. Propolis Collection and Preservation 6 Hours Theory 3 Hours practical

1. Propolis and its origin
2. Equipments required
3. Preparation of colonies for Propolis collection
4. Collection methodology
5. Insertion of Propolis screen
6. Purification and preservation
7. Uses and Preparation of different products
8. Microscopically analysis and geographical identification of Propolis
9. Composition and Purity standards

5. Bees Wax Collection and Comb Foundation Sheet preparation 3 Hours Theory 6 Hours Practical

1. Sources of Bees wax and its secreting glands
2. Physical and chemical properties of bees wax
3. Quality parameters of Bees wax
4. Different types of wax Extractors
5. Methods of bees wax Extraction
6. Bleaching of bees wax
7. Storage and marketing
8. Different uses of bees wax
9. Preparation of Comb foundation sheet
6. Syllabus for Rearing of Queen Bees and Colony Multiplication

This course will be conducted in three weeks with Theory 30 Hours, Practical 45 Hours

1. Queen life cycle and Broad idea of Queen cell
2. Cytology in General
3. Organization of breeder apiaries for queen rearing
4. General method of Selection
5. Identification of quality Queen
6. Individual colony records and their evaluation
7. Quantitative and qualitative characters
8. Identification of strong colonies for breeding
9. Conditioning of Queen builder colony
10. Assigning of material pedigree number for selection
11. Different queen rearing methods
12. Equipment and tools for queen rearing
13. Artificial Queen cup preparation
14. Attaching Queen cups to the division frames
15. Different grafting equipment and their use
16. Identification of proper age of larvae for grafting
17. Grafting worker larvae into the queen cup
18. Simulative feeding for acceptance
19. Observing development of Queen larvae in the Queen cup
20. Transport of sealed queen cells and distribution of queen cells
21. Introduction of Queen cell in the mating nuclei
22. Confirming Queen emergence at appropriate day
23. Isolated mating yards and multiple mating
24. Confirming Queen mating after 4 days of its emergence
25. Preliminary qualitative evaluation of mated queen and confirming egg laying by Queen
26. Preparing nucleus colony and re-queening
27. Progeny testing
28. Randomization of sister queens in different apiaries
29. Mother- daughter co-relation for individual characters and their combination
30. Complementary group hybridization.
Syllabus for Trainers Training Program

This course will be conducted for One month with Theory 50 Hours, Practical 40 Hours

Visit of local apiary, Exposure visit, Study tour

1. Registration
2. Welcome and Introduction
3. Aims and objectives of the training
4. Present status of beekeeping in India and other countries
5. Different types bees and their organization
6. Beekeeping equipments
7. Different types of hives and importance of using standard hives
8. Anatomy of worker bee
9. Anomy of queen and drone
10. Division of Labor and their communication
11. Routine bee management
12. Seasonal bee management
13. Division and uniting of bee colonies
14. Capturing and hiving of bee colonies
15. Swarm control
16. Causes of Desertion and methods of prevention
17. Cyto- genetics of honey bees
18. Importance of Queen rearing
19. Bee breeding techniques
20. Colony conditioning for queen rearing
21. Grafting techniques
22. Package bees
23. Maintenance of records
24. Multiplication of bee colonies and distribution of queen cells
25. Special management for Higher honey production
26. Unifloral, multi-floral and extra floral honeys
27. Bee flora of India and migratory routes
28. Importance of bee pollination and crops benefited by Bee pollination
29. Propagation of bee plants
30. Preparation of colonies for migration
31. Pollen supplement preparation and feeding
32. Bee enemies and measures for control
33. Collection pollen and Propolis
34. Royaljelly production techniques
35. Bees wax collection and preparation of Comb Foundation sheet
36. Bee venom collection
37. Composition of Honey and bees wax
38. Quality control of honey
39. Honey processing and packing
40. Marketing of honey and other products
41. Bee diseases identification and control measures
42. Insecticidal hazards and their control
43. Nesting behavior of wild bees
44. Hygienic honey collection for wild bees
45. Production of comb honey
46. Beekeeping rules and regulations
47. Use of Honey testing kit
48. Manufacturing of bee hives and marketing
49. Collection of honey and bees wax from wild colonies
50. Schemes of KVIC