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# NATIONAL BEEKEEPING & HONEY MISSION (NBHM)



## OPERATIONAL GUIDELINES October, 2019



### **National Bee Board (NBB)**

Horticulture Division (Technical Unit)

Department of Agriculture, Cooperation & Farmers Welfare,

Ministry of Agriculture & Farmers Welfare,

Govt. of India

Krishi Bhawan, New Delhi-110001

[www.nbhm.gov.in/](http://www.nbhm.gov.in/) [www.nbb.gov.in](http://www.nbb.gov.in)

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## Abbreviations

<b>AAP</b>	Annual Action Plan
<b>AICRP (HB&amp;P)</b>	All India Coordinated Research Projects (Honeybees & Pollinators)
<b>APC</b>	Agricultural Production Commissioner
<b>APEDA</b>	Agricultural and Processed Food Products Export Development Authority
<b>ASCI</b>	Agricultural Skill Council of India
<b>AYUSH</b>	Ayurveda, Unani, Sidha & Homeopathy
<b>CBRTI</b>	Central Bee Research and Training Institute
<b>CEO</b>	Chief Executive Officer
<b>CoE</b>	Centre of Excellence
<b>DAC&amp;FW</b>	Department of Agriculture, Cooperation & Farmers Welfare
<b>DoAHD&amp;F</b>	Department of Animal Husbandry, Dairy & Fisheries
<b>DoNER</b>	Ministry of Development of North Eastern Region
<b>DARE</b>	Department of Agricultural, Research & Education
<b>DONER</b>	Development of North Eastern Region
<b>DoE</b>	Department of Expenditure
<b>DPR</b>	Detailed Project Report
<b>EC</b>	Executive Committee
<b>ED</b>	Executive Director
<b>EMC</b>	Empowered Monitoring Committee
<b>FAO</b>	Food & Agriculture Organization
<b>FDA</b>	Forest Development Agency
<b>FIG</b>	Farmers Interest Group
<b>FPC</b>	Farmer Producers Company
<b>FPO</b>	Farmer Producer Organization
<b>FSSAI</b>	Food Safety and Standards Authority of India
<b>GBP</b>	Good Beekeeping Practices
<b>GC</b>	General Council
<b>GCMMF</b>	Gujarat Cooperative Milk Marketing Federation Ltd.
<b>GFR</b>	General Financial Rules
<b>GOI</b>	Government of India
<b>GST</b>	Goods & Service Tax
<b>HB&amp;P</b>	Honeybees & Pollinators
<b>HC</b>	Horticulture Commissioner
<b>HMNEH</b>	Horticulture Mission for North East & Himalayan States
<b>HRD</b>	Human Resource Development
<b>IBDC</b>	Integrated Beekeeping Development Centre
<b>ICAR</b>	Indian Council of Agricultural Research
<b>IDSB</b>	Integrated Development of Scientific Beekeeping
<b>IFD</b>	Integrated Finance Division
<b>KVK</b>	Krishi Vigyan Kendra
<b>KVIC</b>	Khadi and Village Industries Commission
<b>QP</b>	Qualification Pack
<b>MANAGE</b>	National Institute for Agricultural Extension Management
<b>MC</b>	Managing Committee
<b>MS</b>	Member Secretary
<b>MSME</b>	Ministry of Small & Medium Enterprises
<b>MoC&amp;I</b>	Ministry of Commerce & Industry
<b>MoFPI</b>	Ministry of Food Processing Industries
<b>MoEF&amp;CC</b>	Ministry of Environment, Forest & Climate Change
<b>MoCAF&amp;PD</b>	Ministry of Consumer Affairs, Food & Public Distribution
<b>MIDH</b>	Mission for Integrated Development of Horticulture
<b>MNREGS</b>	Mahatma Gandhi Rural Employment Guarantee Scheme
<b>MT</b>	Metric Tonnes

<b>NABARD</b>	Nation Bank for Agriculture & Rural Development
<b>NBB</b>	National Bee Board
<b>NBHM</b>	National Beekeeping & Honey Mission
<b>NCDC</b>	National Cooperative Development Cooperation
<b>NDDB</b>	National Dairy Development Board
<b>NFSM</b>	National Food Security Mission
<b>NHB</b>	National Horticulture Board
<b>NHM</b>	National Horticulture Mission
<b>NLSC</b>	National Level Steering Committee
<b>NMOOP</b>	National Mission on Oilseeds and Oil Palm
<b>NSC</b>	National Seeds Corporation
<b>NSSO</b>	National Sample Survey Organization
<b>MM</b>	Mini Mission
<b>PAC</b>	Project Appraisal Committee
<b>R&amp;D</b>	Research & Development
<b>RKVY</b>	Rashtriya Krishi Vikas Yojana
<b>SAU</b>	State Agricultural University
<b>SC</b>	Sub Committee & Schedule Castes
<b>SFAC</b>	Small Farmers' Agri-Business Consortium
<b>SFC</b>	Standing Finance Committee
<b>SHG</b>	Self Help Group
<b>SHM</b>	State Horticulture Mission
<b>SLSC</b>	State Level Steering Committee
<b>ST</b>	Schedule Tribes
<b>TC</b>	Technical Centres



# OPERATIONAL GUIDELINES



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## National Beekeeping & Honey Mission (NBHM)

### 1. INTRODUCTION

1.1. Keeping in view the importance of beekeeping and to achieve the goal of “**Sweet Revolution**” the need for holistic development of beekeeping was felt. Accordingly, a new Central Sector Scheme “**National Beekeeping and Honey Mission (NBHM)**” for overall promotion & development of scientific beekeeping and production of quality honey & other beehive products is approved by the Govt. of India. The scheme will be implemented through National Bee Board as a Central Sector Scheme (100% funded by Central Govt.).

1.2. The NBHM will have following sub-schemes/ three Mini Missions: (a) Mini Mission-I: Under this Mission, thrust will be given on production & productivity improvement of various crops through pollination assisted by adoption of scientific beekeeping; (b) Mini Mission-II: This Mission will concentrate on post harvest management of beekeeping/ beehive products including collection, processing, storage, marketing, value addition, etc. with a thrust to develop requisite infrastructural facilities for these activities; and (c) Mini Mission-III: This Mission will concentrate on Research & Technology generation for different Regions/ States/ Agro-Climatic and Socio-Economic conditions.

1.3. The NBHM will work in coordination with other Governmental programmes / schemes relating to promotion of beekeeping, viz.; MIDH, RKVY, Honey Mission of KVIC, MSME, ICAR, etc., for overall promotion & development of scientific beekeeping in the country. The NBHM will provide technical guidance/ advise and administrative support to the implementing agencies at the National & State level for effective & smooth implementation of the scheme.

### 2. MISSION OBJECTIVES:

2.1. The main objectives of NBHM are given as under:

- a. Promoting holistic growth of beekeeping industry for income & employment generation, providing livelihood support to farm and non-farm households and to enhance agriculture/ horticulture production;
- b. Developing additional infrastructural facilities for developing quality nucleus stock of honeybees, multiplication of stock by bee breeders, setting up of disease diagnostic labs, beekeeping equipment manufacturing units, etc., post-harvest and marketing infrastructures including quality control labs, etc. individually as well as by setting up of

Integrated Beekeeping Development Centres (IBDCs)/ Centres of Excellence (CoEs) on Beekeeping;

- c. To promote, develop and disseminate latest and State of the Art Technologies and skill development in beekeeping industry for production of honey & other high value beehive products;
- d. Empowerment of Women through Beekeeping; and
- e. To maximise, economic, ecological and social benefits by diversification through beekeeping by production of higher quantity and good quality honey and other high value beehive products, viz.; bee wax, bee pollen, propolis, royal jelly, comb honey, bee venom, etc. for domestic and export market.

### **3. MISSION STRUCTURE AND IMPLEMENTATION ARRANGEMENTS:**

#### **I. National Level:**

##### **A. Setting up of Mission/ NBHM:**

**3.1.** The Mission (NBHM) Headquarters includes Horticulture Commissioner as Mission Director with one senior officer/ scientist of ICAR, Executive Director, NBB and 1-2 more officials from other concerned Departments/ Organisations and same will work as Mission's cell/unit.

##### **B. Setting up of NBHM Cell/ Unit:**

**3.2.** A dedicated cell at national level to drive and steer programme on beekeeping at National level, NBHM Cell/ Unit will be set up to look after overall execution & implementation, monitoring, etc. of the scheme in the country under the Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. This Cell/ Unit will be headed by the Mission Director.

##### **C. Committees:**

**3.3.** At National level, the following Committees will work for effective & smooth implementation of NBHM:

##### **C-1. General Council (GC)/ National Level Steering Committee (NLSC):**

**3.4.** GC/ NLSC under the chairmanship of **Hon'ble Union Minister for Agriculture & Farmers Welfare** and Hon'ble Union Minister/ MoS, MSME as Co-Chairman of GC/ NLSC will oversee Policy issues for effective & smooth implementation of NBHM. The Secretaries/ Heads of the following Departments/ Organisations will be Members of the GC/ NLSC:

- (i) Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW)
- (ii) Department of Animal Husbandry & Dairying (DoAH&D)
- (iii) Ministry of Micro, Small & Medium Enterprises (MSME)
- (iv) Department of Agricultural, Research & Education (DARE)
- (v) Ministry of Commerce & Industry (MoC&I)
- (vi) Ministry of Food Processing Industries (MoFPI)
- (vii) Ministry of Environment, Forest & Climate Change (MoEF&CC)
- (viii) M/o Consumer Affairs, Food & Public Distribution (MoCAF&PD)
- (ix) Chairman, Food Safety and Standards Authority of India (FSSAI)
- (x) Executive Director, National Bee Board (NBB), DAC&FW.
- (xi) Mission Director, NBHM will be the Member Secretary for GC/ NLSC.

**3.5.** GC/NLSC will be the Apex Committee for giving overall directions and guidance to the Mission, monitor and review its progress and performance. Without affecting the approved programmes/ cost norms and pattern of assistance as approved by SFC, GC will be empowered for all policy decisions under NBHM, including amendments in operational guidelines, inclusion of additional districts, etc. GC/NLC will meet at least once in a year.

#### **C-2. Project Approval & Monitoring Committee (PA&MC):**

**3.6.** A project Approval & Monitoring Committee (PA&MC) under the chairmanship of Secretary (AC&FW) with following Members will oversee the activities of the Mission (NBHM) & approve Annual Action Plans under NBHM.

- (i) Additional Secretary/ Special Secretary (Hort.), DAC&FW
- (ii) Additional Secretary/ Special Secretary & Financial Advisor (AC&FW), DAC&FW
- (iii) Joint Secretary (Horti.), DAC&FW
- (iv) Managing Director, National Horticulture Board (NHB)
- (v) Executive Director, National Bee Board
- (vi) Assistant Director General (DG)- Plant Protection (PP), Indian Council of Agricultural Research (ICAR)
- (vii) Joint Secretary, MoFPI
- (viii) Joint Secretary, M/o Commerce & Industry
- (ix) Joint Secretary, MSME/ CEO, Khadi and Village Industries Commission (KVIC)
- (x) Joint Secretary, D/o AHD&F
- (xi) Chairman, Agricultural and Processed Food Products Export Development Authority
- (xii) Chief Executive Officer (CEO), Food Safety and Standards Authority of India
- (xiii) Managing Director, National Dairy Development Board (NDDB)
- (xiv) Horti. Commr. & Mission Director, NBHM, Member Secretary



**3.7.** PA&MC is empowered for appraisal and monitoring of the progress of the scheme and to approve the project proposals costing more than Rs. 50.00 lakhs per project. The PA&MC will also be empowered for approving project proposals for special interventions for the project proposals costing more than Rs. 50.00 lakhs per project for tackling emergent/unforeseen requirements.

**3.8.** PA&MC is empowered to re-allocate resources across the implementing agencies & components as per the approved subsidy norms and approve project proposals.

### **C-3. Project Appraisal Committee (PAC):**

**3.9.** For examination & appraisal of projects/proposals received from various implementing agencies in NBB under NBHM, a Project Appraisal Committee (PAC) will be made under the Chairmanship of Horticulture Commissioner (HC), DAC&FW/ Mission Director, NBHM with 4-5 members.

### **D. Delegation of powers:**

**3.10.** The following are the details of delegation of powers:

- (i) **Mission Director** – up to Rs. 50.00 lakhs/ per project.
- (ii) **PA & MC** – Projects more than Rs.50.00 lakhs/ project.
- (iii) Policy issues will be placed before GC/ NLSC for decision.

### **E. National Level Nodal Agency/ Other arrangements:**

**3.11.** The **National Bee Board** under the Department of Agriculture, Cooperation & Farmers Welfare, will be a **National Level Nodal Agency** for overall holistic development and promotion of beekeeping sector at National level under NBHM for implementation of activities.

## **II. State Level:**

### **A. Committees:**

**3.12.** At State level, there will be a State Level Steering Committee (SLSC) under the Chairmanship of Chief Secretary/ APC/ Principal Secretary (Hort./ Agri.) with members of all concerned Organizations/ Departments/ Agencies for approval, implementation, monitoring, etc. of the projects proposals of State Level Organizations/ Agencies/ Corporations/ Cooperatives, etc. under NBHM or the committees already constituted under MIDH/ NHM/ HMNEH/ RKVY could be designated to look after the work of NBHM .

#### 4. MISSION STRATEGY:

4.1. To achieve the objective of promotion of scientific beekeeping for pollination support of crops, production of quality honey and other beehive products, generating valuable employment & income, provide livelihood support to rural population and ultimately help in doubling farmers' income by end of March, 2022, three Mini Missions, viz.; Mini Mission I, Mini Mission II & Mini Mission III will be implemented under the proposed scheme of National Beekeeping & Honey Mission (NBHM). The Mini Mission-wise details of NBHM and strategy proposed are given as under:-

##### A. Mini Mission I –

4.1.1. This Mission will concentrate on production & productivity improvement of various crops through adoption of scientific beekeeping by the farmers/ beekeepers. Thrust will be given on setting up of IBDCs/ CoEs on Beekeeping in the States at district/ division/ state and national level. Besides, the activities relating to HRD/ capacity building of farmers/ beekeepers and field functionaries/ officials, other extension activities, development of infrastructural facilities, training centres/ institutes, etc., developing bee breeders, bee equipments manufacturing units, registration of beekeepers, facilitation/ assistance for adoption of scientific beekeeping by the trained farmers/ beekeepers/ entrepreneurs along with promotion of scientific beekeeping through implementation of projects of Integrated Development of Scientific Beekeeping (IDSB) in the field on cluster/area development approach, setting up of Api-therapy centres, etc., under this Mission. The details of activities approved under this Mini Mission-I, cost norms & pattern of assistance under NBHM are given at **Annexure-I**.

4.1.2. The States will be supported/ facilitated for setting up of State Bee Boards/ State Beekeeping and Honey Missions/ other institutional framework which may include cooperative societies/ FPOs, etc. for overall promotion and development of scientific beekeeping in the States. The women groups will be empowered in beekeeping and thrust will be given to SCs/ STs areas. The Mission will be implemented by NBHM Cell/ National Bee Board, DAC&FW by involving the Organizations/ Agencies of the State Govts., State Khadi & Village Industry Boards (SKVIBs), State Bee Boards, State Beekeeping and Honey Missions, NABARD, Ministry of Development of North Eastern Region (DONER), North Eastern Regional Agricultural Marketing Corporation (NERAMAC), Tribal Cooperative Marketing Development Federation of India Limited (TRIFED), Ministry of Tribal Affairs, Ministry of Women & Child Development, NCDC, etc., Member Societies/ Firms/ Companies/ FPOs, etc. including, NDDDB/ GCMMF/ Dairy Cooperatives/ Federations/ other Cooperative Organisations, etc. of NBB at State/ National Level.

**4.1.3.** Two types of Models for development of beekeeping in the field shall also be implemented under this Mission/ Scheme, details of which are summarized as under:-

- a. Model I:** Under this model, farmers/ beekeepers who are interested in adopting scientific beekeeping, as entrepreneurs, may be encouraged & supported for practicing scientific beekeeping with technically feasible and economically viable unit, i.e. **at least 50 honeybee colonies**, each of 10 frames in beehives with supers, etc. and other beekeeping equipments or its multiplication **up to 200 honeybee colonies**. This will serve the purpose of pollination support to the crops grown by the farmers/ beekeepers and become a viable small entrepreneur/ beekeeper; and
- b. Model II :** Under this model, the youth/ farmers/ beekeepers who are interested to develop as entrepreneurs for providing custom hiring services to the farmers who are not able to do beekeeping themselves but need pollination support for their crops. Therefore, under this model, the support to develop **Custom Hiring Centres (CHCs)** will be provided. This support may be given for maintaining up to 1000 honeybee colonies along with support for developing other requisite infrastructural facilities, etc. Under Model –II, the crop-wise details of hiring charges for bee colonies per hectare & per season for the crops of oilseeds, pulses, horticultural crops, etc., have also been worked out and given as under:

(i) Oilseeds crops:	Rs.2,000/- per ha.
(ii) Pulses:	Rs.2,000/- per ha.
(iii) Horticultural crops, fruits, vegetables, etc.	Rs.3,000/- per ha.

**B. Mini Mission II –**

**4.1.4.** This Mission will concentrate on post harvest management of beekeeping/ beehive products, including collection, processing, storage, marketing, value addition, etc. with a thrust to develop requisite infrastructural facilities for these activities. The setting up of honey and other beehive products processing units, modernization/ up-gradation/ extension of old honey and other beehive products processing units/ plants, setting up of in-house quality testing labs, facilitation for marketing/ export of honey and other beehive products, publications, publicity/ advertisements, exhibitions/ other related activities in National/ International fairs/ events, developing brands for various types of honey and other beehive products, developing marketing infrastructures, etc. are envisaged. The concerned organizations/ agencies like, MoFPI, Ministry of Women & Child Development, Ministry of Human Resource Development, State Departments of Food Processing Industries, SKVIBs, KVIC, Members of NBB, etc. may also be involved in implementation of this Mini Mission. The details of activities approved

under this **Mini Mission-II**, cost norms & pattern of assistance under NBHM are given at **Annexure-II**.

### **C. Mini Mission III –**

**4.1.5.** This Mission will concentrate on Research & Technology generation for different Regions/ States/ Agro-Climatic and Socio-Economic conditions. Agricultural Research System/ ICAR/ CAUs/ SAUs including AICRP (HB&P) and other agencies involved in agricultural/ horticultural/ beekeeping research in the country, will be involved for generation of new technologies. Development of technologies/ research for development of quality nucleus stock, setting up of disease diagnostic and treatment laboratories, role of honeybees in pollination of various crops and enhancing their yield and improvement in quality of fruits/ seeds/ products, etc. will be addressed. Technologies for production of various high value beehive products, smooth migration, season-wise management practices of various honeybee species, study/ research on role of bumble bees in pollination of various crops, research in other innovative and technologies beneficial for overall development of scientific beekeeping in the country. The details of activities approved under this Mini Mission-III, cost norms & pattern of assistance under NBHM are given at **Annexure-III**.

**4.2.** Issues for overall promotion and development of beekeeping including quality testing infrastructure, outreach programmes, etc. developing scientific labs for quality testing, as per FSSAI, Agmark and other quality standards, addressing the issues of harassment of beekeepers by the officials of forest, police, tax, etc., developing scientific protocol for beekeeping, harvesting quality honey, developing various grades/ brands of honey, preparing National Beekeeping Plan and roadmap, etc. will be taken care of while implementing the programme.

**4.3.** Awareness campaign on benefits of honey consumption, support for ensuring availability of credit facilities for beekeepers/ beekeeping industry, etc. will also be considered under the scheme.

**4.4.** The Scheme also has a provision for involvement of NDDB/ GCMMF/ Dairy Cooperatives/ Federations/ NCDC, other cooperative organisations at State/ National levels, etc. in promotion and development of scientific beekeeping and marketing of honey, etc.

**4.5.** The scheme NBHM will be Pan India and implemented **in 150 districts in 30 States / UTs** as per details given in **Annexure-IV**. If required, more districts may be covered under NBHM with the approval of GC/ NLSC.

## 5. ANNUAL ACTION PLANS (AAPs), PROCEDURE FOR APPROVAL AND IMPLEMENTATION:

### A. ANNUAL ACTION PLAN:

5.1. National Beekeeping & Honey Mission (NBHM) will be implemented through National Bee Board (NBB) as a **Central Sector** (100% funded by Central Government) component under the existing vertical “Mission on Integrated Development of Horticulture (MIDH)”, as a part of the Centrally Sponsored Scheme “**Green Revolution**”. Funds would not be routed through the State Governments under Major Head “3601” but through the relevant Central Sector Major Head.

5.2. NBHM cell/ unit, DAC&FW, Ministry of Agriculture & Farmers Welfare will communicate the tentative outlay for the year under NBHM to National Bee Board. NBB will prepare the existing perspective/ strategic plan and road map for overall promotion and development of beekeeping in the country.

5.3. NBB will also prepare & submit activity/ component-wise and Mini Mission-wise detailed Annual Action Plan (AAP) for overall promotion & development of scientific beekeeping in the country by adopting the Strategy under NBHM. Annual Action Plan (AAP) will be prepared on the basis of the requirement of districts/ States selected under NBHM by keeping in view the approved activities/ programmes under the scheme. The document should focus on area under Horticultural/ Agricultural crops/ other Bee Flora and natural potential for development of beekeeping in the State, adoption of cluster approach for production and linking with available infrastructure, or infrastructure to be created for collection, processing, value addition, marketing, export of honey & other beehive products, etc. Priority should be given for Women Self Help Groups (SHGs) for Empowerment of Women through Beekeeping. While forming AAP, the project proposals/ AAPs/ feedback from the implementing agencies in the field may also be considered.

### B. Procedures of Approval:

5.4. The consolidated Annual Action Plan of NBB will be approved by the Secretary (AC&FW)/ Project Approval & Monitoring Committee (PA&MC) under the Chairmanship of Secretary (AC&FW), DAC&FW.

5.5. The project proposals received in NBB as per AAP under NBHM will be approved by the Project Appraisal Committee (PAC) under the Chairmanship of Horticulture Commissioner (HC), DAC&FW/ Mission Director, NBHM and/ or by the PA&MC as may be the case as per the Powers of Delegation.

**5.6.** While finalizing the AAP/ project proposals, due attention may be given for earmarking specific targets for Scheduled Castes (SCs), Scheduled Tribes (STs) and women beneficiaries. As an inbuilt provision under NBHM scheme, higher rates of subsidy have been envisaged for the North Eastern States & Himalayan States.

### **C. Implementing Agencies/ arrangements:**

**5.7.** For effective and smooth implementation of the Scheme in the country/ field, the Scheme will be implemented by involving; (i) State Govt. organizations/ Agencies/ Companies/ Cooperatives, etc.; (ii) State Bee Boards/ Missions, etc.; (iii) NDDDB/ GCMMF/ Dairy Cooperatives/ Federations/ other Cooperatives which are member of NBB/NDDDB; (iv) other Member Societies/ Firms/ Companies of NBB; (v) ICAR/ CAUs/ SAUs/ AICRP (HB&P), KVKs, NCDC, etc.; (vi) Organisations/ Agencies under MSME viz.; KVIC/ State Khadi & Village Industry Boards, etc.; (vii) Organisations/ Agencies under MoEF&CC/ State Forest Departments; (viii) Organisations/ Agencies under MoFPI, etc. under overall supervision & guidance of NBHM/ NBB, DAC&FW.

### **D. Panchayati Raj:**

**5.8.** Panchayati Raj Institutions (PRIs) existing in the State may also be involved in the implementation of the programme/ activities in the field.

## **6. MISSION INTERVENTIONS AND SUPPORT/ ASSISTANCE UNDER NBHM:**

### **A. Mission Interventions:**

**6.1.** To achieve the objectives for promoting & developing scientific beekeeping and goal of “**Sweet Revolution**” in the country, the following major interventions will be adopted by implementing activities under Mini Missions I, II & III under the scheme (NBHM):

#### **a) Setting up of Infrastructural facilities:**

**6.1.1.** Setting up of Integrated Beekeeping Development Centres (IBDCs)/ Centres of Excellence (CoEs) on beekeeping in the States at District/ Division/ State/ National levels in which various units/ infrastructures relating to developing quality nucleus stock, mass queen rearing/ bee breeding, beehive & other beekeeping related equipments manufacturing units, disease diagnostic & control lab, honey & other bee hive products testing laboratory, etc. will be developed. The details of activities to be covered under IBDC are given at **Annexure-V**. Setting up of other infrastructural facilities for post-harvest management of honey & other beehive products (bees wax, bee pollen, propolis, royal jelly, comb honey, bee venom, etc.). The facilities will include collection, marketing, processing/ export units, branding, quality testing labs, in house quality testing labs in processing units, modernization/ up-gradation/ extension of old honey and other beehive products processing units/ plants, labs, etc.

**b) Human Resource Development (HRD) & Awareness Programmes in Beekeeping:**

**6.1.2.** Under HRD programmes, the training of farmers/ beekeepers, entrepreneurs, field level officials & other officers, etc. including within the State programmes, out of the State programmes will be undertaken. Four types of Trainings may be conducted by adopting Training Modules developed by NBB. Such training would generally be of duration of 7 days for 25 participants. Outside the Country Exposures Visits of the Officials may also be undertaken. The awareness programmes/ seminars/ conferences, etc. will also be conducted under the scheme.

**c) Promotion of scientific beekeeping for enhancing crop productivity & honey production:**

**6.1.3.** Projects of Integrated Development of Scientific Beekeeping (IDSB) on cluster/ area development approach to train the farmers/ beekeepers and assisting them for promotion & adoption of scientific beekeeping, ensuring pollination of crops & increasing honey production for generating more income and employment round the year will be implemented. Thrust will also be given on mass queen rearing and colony multiplication/ developing bee breeders for ensuring the availability of quality nucleus stock/ queen bees and honeybee colonies to the farmers/ beekeepers.

**d) Setting up & promoting institutional framework:**

**6.1.4.** State Governments will be supported for setting up of State Bee Boards/ State Beekeeping and Honey Missions. Other Institutional framework including NDDDB/ GCMMF/ Dairy Cooperatives/ Federations/ FPCs/ FPOs/ Beekeeping & Honey Societies, etc. will be supported for promotion and development of scientific beekeeping in the States. Formation of Beekeepers Groups/ Clusters/ Federations/ FPOs, including, Women Groups/ Clusters for promotion & empowerment of women through beekeeping, etc. will also be supported.

**e) Adoption of Good Beekeeping Practices (GBPs):**

**6.1.5.** GBPs will be promoted for adoption to promote scientific beekeeping in the Country. Apiaries of registered beekeepers/ members of NBB may be developed as Model Apiaries.

**f) Publicity and publications:**

**6.1.6.** Publicity & publications, advertisements, organizing & participating in exhibitions at State/ National/ International levels, etc. will be undertaken under the scheme.

**g) R&D Activities:**

**6.1.7.** R&D activities may include refining, developing & promoting technologies as per the need of the farmers/ beekeepers and to generate new technologies for commercial

beekeeping in different regions/ states/ agro-climatic and socio-economic conditions/ zones, developing technologies for bee disease diagnosis & their control measures, management of pests/ insects, measures for protecting honeybees from various birds/ animals, environmental disturbances, etc., improving & developing quality nucleus stock for *Apis cerana*/ *Apis mellifera* as well as wild honeybees (*Apis dorsata*, *Apis florea*, etc.) and technologies for production & post-harvest management of various beekeeping/ beehive products including bees wax, bee pollen, propolis, royal jelly, comb honey, bee venom, etc. Studies & research on role of bumble bees in pollination of various commercial crops grown in controlled conditions including multiplication, for ensuring their availability round the year, impact of bumble bees on other pollinators, etc. as well as technologies for rearing of bumble bees, etc. will also be covered under the scheme.

**h) Production of High Value beehive products:**

**6.1.8.** Promoting production of high value beehive products, viz.; bees wax, bee pollen, propolis, royal jelly, comb honey, bee venom, etc. and developing brands of various types of honey and other beehive products.

**i) Registration:**

**6.1.9.** Registration of beekeepers, beekeeping societies, firms, companies, etc. involved in beekeeping.

**B. Support/ Pattern of Assistance:**

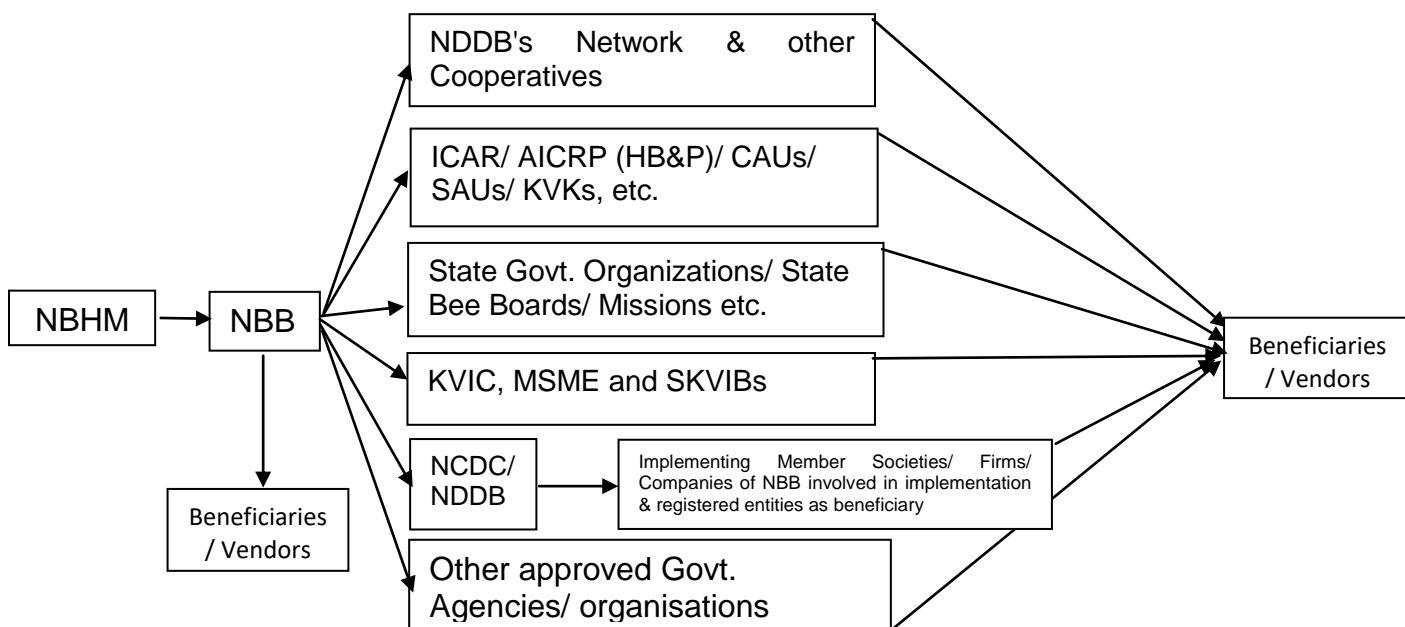
**6.2.** The subsidy pattern approved under the scheme will be as 50% in case of individual beneficiaries/ Societies/ Firms / Companies, 75% in case of institutional framework, including Self Help Groups (SHGs)/ Joint Liability Groups (JLGs)/ Farmers/ Beekeepers Interested Groups (FIGs) / Co-operatives/ FPOs/ FPCs/ Member Beekeepers' Federations (MBFs) of NBB/ MBFs registered with NBB, etc. and 100% for National/ State level Governmental Organisations, including NBB, ICAR, State Agricultural Universities (SAUs)/ Central Agricultural Universities (CAUs), etc. For North Eastern Region, subsidy should be 90% for all individuals, institutions/ organisations/ societies/ Co-operatives/ Self Help Groups (SHGs)/ Joint Liability Groups (JLGs)/ Farmers/ Beekeepers Interested Groups (FIGs)/ Societies/ Firms /Companies/ FPOs/ FPCs, etc. and 100% for Government agencies/ organisations, etc. However, for capacity building programmes, including trainings, seminars, skill development for farmers/ beekeepers, officials, etc. the pattern of funding/ subsidy should be kept 100% for all the implementing agencies.



## 7. FUND FLOW MECHANISM:

**7.1.** Flow of funds and the utilization of funds by National Bee Board and other implementing Agencies/ State Govt. organizations/ Agencies/ Companies/ State Bee Boards/ Missions, etc., NDDB/ GCMMF/ Dairy Cooperatives/ Federations/ other Cooperatives, etc. which are member of NBB/ other Member Societies/ Firms/ Companies of NBB/ ICAR/ CAUs/ SAUs/ AICRP (HB&P)/ KVKs, NCDC, etc./ organisations/ agencies under MSME (KVIC/ State Khadi & Village Industry Boards (SKVIBs), etc.), MoEF&CC/ State Forest Departments, MoFPI, PRIs, etc. under overall supervision & guidance of NBHM Cell/ Unit/ NBB, DAC&FW shall be governed by extant Financial Norms (General Financial Rules, 2017).

**7.2.** Since the scheme will be implemented through NBB, funds will be released to NBB. NBB will implement scheme/ components directly and/ or also release funds to the other Implementing Agencies in the field. As far as possible, efforts to make on-line payment to all Implementing Agencies would be ensured, which in turn will make arrangements for making payment to beneficiaries through electronic transfer, preferably to their respective bank accounts. Flow chart for release of funds under NBHM is given below:



**7.3.** Implementing agencies would be required to undertake activities within the funds sanctioned/ released by NBB under NBHM, DAC&FW, GOI and No claims of pending liabilities relating to expenditure over and above sanctioned/ released funds will be entertained by NBB under NBHM, DAC&FW, GOI.

**7.4.** The funds will be released to the implementing agencies in two installments. 1st installment at the time of sanction of the project/ proposal and 2<sup>nd</sup> after utilization of funds already released and fulfilling the conditions as well as submissions of requisite documents.

## **8. MISSION MANAGEMENT:**

### **A. SUPPORT TO NATIONAL BEE BOARD & OTHER IMPLEMENTING AGENCIES:**

**8.1.** For managing various activities of Mission at National, State, District/ Field level by NBB and implementing agencies and support for Administrative Expenses, Consultants, Supporting staff, etc. at National, State, District/ Field level, project preparation, computerization, contingency, etc, a provision of **6% of total** Annual Allocation/ Release of Funds/ Expenditure is kept under NBHM. Out of which **2.5% will be** kept by NBB and **3.5% will be given** to the implementing agencies in the field. In case of activities which will be directly implemented by NBB, management support @ **6% will go to NBB.**

**8.2.** NBB may appoint the requisite staff as per their Rules / Bye Laws and the expenditure may be met out by utilising the Management Support given to NBB under NBHM and its other resources.

### **B. INSTITUTIONAL STRENGTHENING / FPO FORMATION:**

**8.3.** Mission Head Quarter at National and that of NBB and State Bee Boards/ Missions will be strengthened for database creation and collection, use of Information Technology, development of software and procurement of hardware, hiring/ purchasing of vehicle, etc. for which funding may be made available either under appropriate components of NBHM or expenditure may be met out of the Mission Management support by the implementing agencies.

**8.4.** Assistance will be available for strengthening/ promoting Farmer Interest Groups (FIG), Farmer Producer Organizations (FPO), Self Help Groups (SHGs), etc. of women under the component of **“Empowerment of Women through Beekeeping”** and also of beekeepers (Men) SHGs, FIG,FPOs.

### **C. BEEKEEPING DATABASE:**

**8.5.** Provision has been made for strengthening beekeeping statistical database, which will be implemented through active involvement of NBB, implementing agencies and Institutes like Indian Agricultural Statistical Research Institute (IASRI), etc. on a project mode.

### **D. COLLABORATION WITH INTERNATIONAL AGENCIES:**

**8.6.** Attempts will be made to collaborate with International Agencies like FAO, World Bank, Asian Development Bank, etc. and countries, etc. which have developed modern/ latest technologies in beekeeping sector for taking up programmes for development of beekeeping in the country. Under collaborative programmes, activities to be undertaken would include import of technologies/ equipments/ machineries, hiring of International Domain Experts,

organizing Out Side the Country exposure visits/ study tours, training programmes, etc. of the concerned officials, farmers/ beekeepers etc. under aegis of NBHM. Funds for this purpose will be earmarked in Annual Budget of NBHM/ AAP of NBB under the other Interventions/ Innovations component.

## **E. EVALUATION & OTHER STUDIES:**

**8.7.** Term End Evaluation will be conducted in the ending year of NBHM. Concurrent evaluation will also be carried out by engaging suitable agencies. Funding for such studies will be on project basis. The NBHM/ NBB will commission short term studies on various aspects of beekeeping depending on need and emerging requirements. Such studies will also be on project basis. Monitoring Missions, comprising of experts, will be sent to States from time to time by NBHM/ NBB, which will be organized under concerned component under NBHM. State Government organizations/ agencies may also conduct evaluation studies on project basis.

### **9. Activity/ Component-wise detailed Guidelines, formats, check-list for submission of documents, etc.:**

**9.1.** Activity/ Component-wise details and formats for submission of proposals to NBB/ NCDC / NDDB under NBHM for implementation of the activities and getting assistance under NBHM alongwith the check-list for the documents to be submitted are available on the website of NBHM & NBB, DAC&FW.

**9.2.** The project proposals/ applications for implementing the scheme/ getting advantages under the scheme by Members Societies/ Firms/ Companies of NBB and registered entities of NBB need to be submitted online on the portal of DAC&FW (.....)/ Portal of NCDC/ NDDB to NCDC/ NDDB which have been designated Nodal Agencies for these Organizations/ Agencies/ Individual for appraisal/ examining and considering their proposals for funding & monitoring.

**9.3.** All Member Societies/ Firms/ Companies/ SHGs, etc. of NBB should be registered on Darpan Portal of NITI Aayog to get access to the portal of DAC&FW (.....)/Portal of NCDC/ NDDB for submission of relevant proposals under NBHM to NBB.

**9.4.** Only the Member Societies/ Firms/ Companies/ SHGs, etc. of NBB which are having Registration and Membership with NBB for last more than 5 years, paying Annual Subscription regularly, registered on Darpan Portal of NITI Aayog and having good track record, expertise/ infrastructural facilities, etc. in beekeeping are eligible for implementing activities under the scheme. However, Member/ Registered FPOs/ FPCs of NBB having more than 100 members and member organizations/ member societies/ firms/ companies of NE States/ based in NE

States, including Sikkim, which are having registration and membership with NBB for the last more than three years, paying Annual Subscription regularly, having good track record, expertise & infrastructural facilities, etc. in beekeeping may also be eligible for implementing activities under NBHM.

**9.5.** The beekeepers, SHGs, FPOs, FPCs, FIGs, etc., societies, firms, companies, etc. in the field of beekeeping, honey production, processing, marketing, etc. and registered with NBB will only be eligible for getting benefits for the activities relating to setting up of infrastructural facilities under MM-I & MM-II under NBHM scheme. In case of individual beekeepers, the priority will be given to the registered beekeepers of NBB.

**9.6.** The maximum limit for funding of projects to a single Member implementing Agency/ Organization/ Society/ Firm/ Company of NBB per annum for total no. of projects will not be more than Rs. 45.00 lakhs only in any case, which may again be linked with experience, expertise and infrastructural facilities available with the organization/ agency and also depends on the total availability of funds to NBB under NBHM. However, this criteria may not be applicable to the Public Sector/ Governmental Organisations/ Agencies, NDDDB/ NCDC/ Cooperatives, State Bee Boards/ Missions, etc.

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