

NATIONAL BEEKEEPING & HONEY MISSION (NBHM)



OPERATIONAL GUIDELINES October, 2020



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/ www.nbb.gov.in

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Abbreviations

AAP	Annual Action Plan
AICRP (HB&P)	All India Coordinated Research Projects (Honeybees & Pollinators)
APC	Agricultural Production Commissioner
APEDA	Agricultural and Processed Food Products Export Development Authority
APIMONDIA	International Federation of Beekeepers' Associations
ASCI	Agricultural Skill Council of India
AYUSH	Ayurveda, Unani, Sidha & Homeopathy
CBRTI	Central Bee Research and Training Institute
CEO	Chief Executive Officer
CHC	Custom Hiring Centre
CoE	Centre of Excellence
CSIR	Council of Scientific & Industrial Research
DAC&FW	Department of Agriculture, Cooperation & Farmers Welfare
DoAHD&F	Department of Animal Husbandry, Dairy & Fisheries
DoNER	Ministry of Development of North Eastern Region
DARE	Department of Agricultural, Research & Education
DONER	Development of North Eastern Region
DoE	Department of Expenditure
DPR	Detailed Project Report
EC	Executive Committee
ED	Executive Director
EIC	Export Inspection Council
EMC	Empowered Monitoring Committee
FAO	Food & Agriculture Organization
FDA	Forest Development Agency
FIG	Farmers Interest Group
FPC	Farmer Producers Company
FPO	Farmer Producer Organization
FSSAI	Food Safety and Standards Authority of India
GBP	Good Beekeeping Practices
GC	General Council
GCMMF	Gujarat Cooperative Milk Marketing Federation Ltd.
GFR	General Financial Rules
GOI	Government of India
GST	Goods & Service Tax
HB&P	Honeybees & Pollinators
HC	Horticulture Commissioner
HMNEH	Horticulture Mission for North East & Himalayan States
HRD	Human Resource Development
IBDC	Integrated Beekeeping Development Centre
ICAR	Indian Council of Agricultural Research
ICMR	Indian Council of Medical Research
IDSB	Integrated Development of Scientific Beekeeping
IFD	Integrated Finance Division
IIT	Indian Institute of Technology
JLG	Joint Liability Group
KVK	Krishi Vigyan Kendra
KVIC	Khadi and Village Industries Commission
QP	Qualification Pack
MANAGE	National Institute for Agricultural Extension Management
MC	Managing Committee

MBF	Member Beekeepers' Federations
MS	Member Secretary
MSME	Ministry of Small & Medium Enterprises
MoC&I	Ministry of Commerce & Industry
MoFPI	Ministry of Food Processing Industries
MoEF&CC	Ministry of Environment, Forest & Climate Change
MoCAF&PD	Ministry of Consumer Affairs, Food & Public Distribution
MIDH	Mission for Integrated Development of Horticulture
MNREGS	Mahatma Gandhi Rural Employment Guarantee Scheme
MT	Metric Tonnes
NABARD	Nation Bank for Agriculture & Rural Development
NAFED	National Agricultural Cooperative Marketing Federation of India Ltd.
NERAMAC	North East Region Agricultural Marketing Corporation
NBB	National Bee Board
NBHM	National Beekeeping & Honey Mission
NCDC	National Cooperative Development Cooperation
NDDB	National Dairy Development Board
NFSM	National Food Security Mission
NHB	National Horticulture Board
NHM	National Horticulture Mission
NI-MSME	National Institute for Micro, Small and Medium Enterprises
NIN	National Institute of Nutrition
NLSC	National Level Steering Committee
NMOOP	National Mission on Oilseeds and Oil Palm
NMPB	National Medicinal Plants Board
NRLM	National Rural Livelihood Mission
NSC	National Seeds Corporation
NSSO	National Sample Survey Organization
MM	Mini Mission
PAC	Project Appraisal Committee
R&D	Research & Development
RKVY	Rashtriya Krishi Vikas Yojana
SAU	State Agricultural University
SC	Sub Committee & Schedule Castes
SFAC	Small Farmers' Agri-Business Consortium
SFC	Standing Finance Committee
SHG	Self Help Group
SHM	State Horticulture Mission
SLSC	State Level Steering Committee
SRLM	State Rural Livelihood Mission
ST	Schedule Tribes
TC	Technical Centres
TSP	Tribal Sub Plan
TRIFED	Tribal Cooperative Marketing Development Federation of India
UNDP	United Nations Development Programme



OPERATIONAL GUIDELINES OF NBHM

OPERATIONAL GUIDELINES

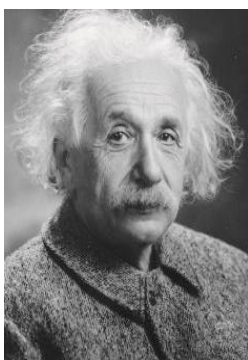
NATIONAL BEEKEEPING & HONEY MISSION (NBHM)

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 programs / schemes relating to promotion of beekeeping, viz.; MIDH, RKVY, Honey Mission of KVIC, MSME, NLRM/ SLRM, M/o Rural Development, M/o EF&CC, M/o Tribal Affairs, M/o Commerce & Industry, AYUSH, 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.



“If the bees disappeared from the surface of the globe the man would only have four years of life left. No more bees, no more pollination, no more plants, no more animals, no more man”.

Albert Einstein

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, Integrated Beekeeping Development Centres (IBDCs)/ Centres of Excellence (CoEs) on Beekeeping, beekeeping equipment manufacturing units, etc. and post-harvest and marketing infrastructures, including honey processing plants, storages/ cold storages, collection, branding, marketing, etc. centre, etc.;
- c. Setting up of State of the Art Quality Control Labs for testing of honey & other beehive products at Regional Levels and Mini / Satellite Labs at Distt. Levels in main honey producing Districts/ States;
- d. To develop blockchain/ traceability system for traceability of source of honey & other beehive products and using IT tools in beekeeping, including online registration, etc.;
- e. To develop and facilitate Honey Corridors in potential areas;
- f. To promote agri- entrepreneurs & agri- startup for their involvement in beekeeping/ Honey production;
- g. To promote trade- agreements between beekeepers & traders/ honey processors/ exporters, etc.;
- h. 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;
- i. Empowerment of Women through Beekeeping;
- j. To maximize, economic, ecological and social benefits by diversification through beekeeping by production of higher quantity and good quality of 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; and
- k. To strengthen beekeepers by developing institutional framework through collective approach viz.; formation of SHGs/ FPOs/ Beekeepers Cooperatives/ Federations, etc.

3. MISSION STRUCTURE AND IMPLEMENTATION ARRANGEMENTS:

I. National Level:

A. Setting up of Mission/ NBHM Project Management Unit/ Cell (PMU):

3.1. A dedicated PMU/ Cell at National level to drive and steer programme on beekeeping”, at National level 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. PMU/ Cell/ Unit will be headed by the Mission Director with four to five Experts /Theme Experts and other supporting staff. Theme Experts will include Experts from the different field as per the requirement of NBHM including Experts for implementation, monitoring, supervision of activities under Mini Mission-I, II & III under NBHM. Horticulture Commissioner, DAC&FW has been designated as Mission Director, NBHM.

B. Committees:

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

B-1. General Council (GC)/ National Level Steering Committee (NLSC):

3.3. GC/ NLSC will be constituted under NBHM Hon’ble Union Minister for Agriculture & Farmers Welfare will be the Chairman of GC/NLSC. The Secretaries/ Heads of the following Departments/ Organizations will be Members of the GC:

i.	Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW)
ii.	Ministry of Animal Husbandry, Dairy & Fisheries (DoAHD&F)
iii.	Ministry of 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.	Ministry of Tribal Affairs
ix.	Ministry of Rural Development
x.	Ministry of Women & Child Development
xi.	Ministry of Development of Northern Earthen Region (DoNER)
xii.	Ministry of Science & Technology
xiii.	M/o Consumer Affairs, Food & Public Distribution (MoCAF&PD)
xiv.	Chairman, Food Safety and Standards Authority of India(FSSAI)
xv.	Chairman, APEDA
xvi.	Executive Director, National Bee Board (NBB)/HPBI, DAC&FW.
xvii.	Mission Director, NBHM will be the Member Secretary for GC/NLSC.

3.4. 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 Standing Finance Committee (SFC), GC is empowered for all policy decisions under NBHM, including amendments in operational guidelines, etc. GC/NLSC will meet at least once in a year.

B-2. Project Approval & Monitoring Committee (PA&MC):

3.5. For approval of projects/proposals, effective implementation, monitoring, etc. of activities under NBHM, a Project Appraisal & Monitoring Committee (PA&MC) will be constituted under the Chairmanship of Secretary (AC&FW) with the following members: -

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

B-3 Executive Committee (EC):

3.6. An Executive Committee (EC) for examination & approval of projects/ proposals received in NBB under National Beekeeping and Honey Mission (NBHM) for effective implementation & monitoring of activities will be constituted under the Chairmanship of Additional/ Special Secretary, in-charge of Horticulture, Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW), Govt. of India with following members:

i. Agriculture Commissioner, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW), Govt. of India	Member
ii. Joint Secretary (MIDH), Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW), Govt. of India	Member
iii. Horti. Commissioner & Mission Director, NBHM, DAC&FW, Govt. of India	Member
iv. Project Coordinator, AICRP (HB&P), ICAR	Member
v. Joint Secretary of MSME	Member
vi. Deputy Secretary (IFD), DAC & FW	Member
vii. ED, National Bee Board (NBB), DAC&FW, Govt. of India	Member Secretary

B-4. Project Appraisal Committee (PAC):

3.7. For examination, appraisal & recommendation of projects/proposals received in NBB under NBHM, a Project Appraisal Committee (PAC) will be made under the Chairmanship of Horticulture Commissioner, DAC&FW & Mission Director, NBHM with four members including Executive Director, NBB/HPBI.

C. Delegation of powers:

3.8. Details of Delegation of powers for approving projects by Mission Director, Additional /Special Secretary (Horti.), Project Appraisal Committee (PAC), Executive Committee (EC) and Project Approval & Monitoring Committee (PA&MC) are given in **Annexure-I**.

D. National Level Nodal Agency:

3.9. NBHM will be implemented through National Bee Board (NBB)/ Honey & Pollinators Board of India (HPBI) as a Central Sector scheme (100% funded by Central Government). NBB/ HPBI 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.

E. Other arrangements/ designated National Level Agency:

3.10. The National Bee Board/ HPBI under the Department of Agriculture, Cooperation & Farmers Welfare, is an autonomous National level nodal agency for overall holistic development and promotion of beekeeping sector at national level under NBHM and the scheme will be implemented by NBB/ Honey & Pollinators Board of India (HPBI).

II. State Level:

A. State Level Committees:

3.11. Following Committees will be constituted at State Level under NBHM:

A.I. State Level Steering Committee (SLSC):

3.12. At State level, there may be a State Level Steering Committee (SLSC) under the Chairmanship of Secretary/ Principal Secy. (Agriculture)/ (Horticulture) /APC with members of all concerned Organizations/ Departments/ Agencies for approval, implementation, monitoring, etc. of the proposals of state level organizations/ agencies under NBHM. SLSC constituted under MIDH/ RKVY are also authorized to work under NBHM.

A.II. District Level Committee:

3.13. District Level Committee under the Chairmanship of DM/ DC/ CDO with Members of all the concerned Departments/ organizations/ agencies, etc. would be constituted for approval, implementation, monitoring, etc. of the proposals of state level organizations/ agencies under NBHM. If required, the proposals relating to setting up of infrastructural facilities under NBHM of the Member Societies/ Firms/ Companies & registered entities of NBB may also be examined & recommended by the committee/ Committee(s) constituted under NBHM or by the committees already constituted under MIDH/ RKVY and authorized to work under NBHM.

III. Implementing Agencies:

3.14. For effective and smooth implementation of the Scheme in the country/ field, the Scheme will be implemented by involving the followings Organizations/ Agencies under overall supervision & guidance of NBHM Cell/ Unit/ NBB/ HPBI, DAC&FW:

- i. Organizations/ Agencies of the State Departments of Horticulture/ Agriculture/ Forest, etc., viz.; State Bee Boards/ State Bee Missions, State Govt. Societies/ Companies, NHM/ HMNEH, etc.,
- ii. NDDDB/ GCMMF/ Dairy Cooperatives/ Federations/ NCDC/ NAFED, other Cooperatives which are member of NBB,
- iii. other Member Societies/ Firms/ Companies of NBB,
- iv. ICAR/ CAUs/ SAUs, Other Research Organizations/ Institutes including AICRP (HB&P);
- v. KVIC/ State Khadi & Village Industry Boards, NI-MSME, etc. under MSME; etc.
- vi. Organizations/ Agencies of M/o EF&CC,
- vii. Organizations/ Agencies of M/o FPI,
- viii. National Medicinal Plants Board (NMPB), Ministry of AYUSH,
- ix. State Rural Livelihood Mission (SRLM)/ National Rural Livelihood Mission (NRLM), Ministry of Rural Development,
- x. TRIFED, Ministry of Tribal Affairs, and
- xi. North East Region Agricultural Marketing Corporation (NERAMAC), M/o DONER, etc.

BENEFITS OF BEEKEEPING:

- ❖ Enhances yields & quality of produce of various crops viz., fruits, vegetables, pulses, oil seeds, etc. through pollination support.
- ❖ Helps in sustainable development of Agriculture and Environment.
- ❖ Helps in maintaining Bio-diversity.
- ❖ There is no exception of beekeeping. It is an important input in Agriculture and serves as low cost technology.



- ❖ Increases income of beekeepers/ farmers/ land less labours, etc. through production of honey & other beehive products, viz.; Bees wax, Propolis, Pollen, Royal Jelly, Bee venom, comb honey, etc. which have great importance in human life.
- ❖ Generates employment.
- ❖ Serves as a source of livelihood.
- ❖ It helps in prosperity of farmers, healthy people and strong Nation.
- ❖ No more bee- no more pollination- no more plants- no more animals- no more food and no more life on the earth.
- ❖ Adopt Scientific Beekeeping for own and Nation's prosperity.

4. MISSION STRATEGY & INTERVENTIONS:

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, 2023, as well as to achieve the goal of **“Sweet Revolution”** in the Country, 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 interventions /activities and strategy to be implemented under NBHM are given as under: -

A. Mini Mission- I (MM-I).

4.2. This Mission will concentrate on production & productivity improvement of various crops through pollination assisted by adoption of scientific beekeeping. Thrust will be given on setting up of integrated Beekeeping & Development Centres (IBDCs)/ Centres of Excellence (CoEs) on Beekeeping in the States. Besides, the activities relating to HRD/capacity building of farmers/ beekeepers and field functionaries/ officials, other extension activities, development of infrastructural facilities, viz.; honey testing labs, Bee disease diagnostics labs, trainings centres / institutes, developing bee breeders, bee equipments manufacturing units, setting up of Api-therapy centre, Custom Hiring Centre (CHC), etc., registration of beekeepers, developing traceability system/ Blok chain, etc., facilitation 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, etc., promotion of new Global Technology for development of scientific beekeeping in the country, publications, publicity/ advertisements, exhibitions/ other related activities in National/ International fairs/ events will also be implemented under this Mission. The details of activities approved under this **Mini Mission-I**, cost norms & pattern of assistance under NBHM are given at **Annexure-II**.

4.3. 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 system/ FPCs/ 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.

4.4. The Mission will be implemented by NBHM Cell/ National Bee Board, DAC&FW by involving the Agencies/ Organizations of State Departments of Agriculture/ Horticulture, State Khadi Boards, State Bee Boards, State Beekeeping and Honey Missions, ICAR Institutes/ SAUs/ CAUs/ KVKs, NABARD, SRLMS/ NRLM, M/o Rural Development, 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, Ministry of Environment, Forest & Climate Change (MOEF&CC), Ministry of Science and Technology, National Medicinal Plants Board (NMPB), M/o AYUSH, etc., MSME/ KVIC & its beekeeping centres/ CBRTI and other Organization like NI-MSME, etc. under MSME, Member Societies/ Firms/ Companies/ FPCs, etc., NDDDB/ GCMMF/ Dairy Cooperatives/ Federations, NCD, NAFED, etc. of NBB at State/ National Level.

4.5. 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, will be trained & encouraged 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 either individually or in cohesive group. 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/ start up/ 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. The support will be given for developing requisite infrastructural facilities, including support for equipments for production of high value beehive products, etc. One CHC should at least maintain 1000 honeybee colonies along with all requisite tools, equipments, machinery, etc.

4.6. The details of Model -I & II are enclosed as **Annexure-III**.

4.7. The details of activities to be implemented under Mini Mission-I are as under:

I. Quality Nucleus Stock Development Centres:

4.8. To produce quality nucleus stock of honeybees/ bees viz., *A. cerana*, *A. mellifera*, *A. florea*, *A. dorsata*, stingless bees & bumble bees, assistance @ 100% for Public sector & 50% of the total cost to the expert member societies/ firms/ companies of NBB, limited to maximum up to Rs. 30 lakhs per project will be made available under the project. Under this component, 2000 quality nucleus stock/ queen bees in three years period are to be produced (600, 700 & 700 in Ist, IInd and IIIrd year, respectively). The assistance will be released in phased manner, viz.; 50%, 25% & 25% in Ist, IInd & IIIrd year respectively, as per progress and documents submitted/ received for the project in NBB. The cost for this component has been estimated Rs. 30 lakhs out of which 100% assistance maximum up Rs. 30 lakhs per project will be given to public sector research organizations & 50% of the eligible cost, maximum upto Rs. 30 lakhs to the expert member societies/ firms/ companies of NBB. Proforma for submitting proposals is given at **Appendix-I**.

II. Development of Bee Breeders:

4.9. For multiplication of quality Nucleus Stock for increasing the availability of quality honeybee colonies in the country, Bee Breeders will be encouraged. Under this component assistance may be given to experienced Member Beekeepers/ Member Societies/ Firms/ Companies of NBB. The Bee breeders promoted/ developed under this component are supposed to produce minimum number of **2000 quality bee colonies per year** for continuous three years. The cost for this component has been estimated Rs. 12.50 lakhs out of which maximum assistance upto Rs. 5 lakhs/ per project will be given. Proforma for submitting proposals is given at **Appendix-II**.

III. Integrated Beekeeping Development Centre (IBDC) / Centre of Excellence (CoEs)/ Technical Centres:

4.10. Integrated Beekeeping Development Centres (IBDCs)/ Centres of Excellence (CoEs) on Beekeeping at district level, in which all the main units/ centres relating to holistic growth/ promotion/ development of scientific beekeeping & honey production, processing, capacity building & awareness, skill development, etc. will be set up at one place to facilitate the beekeepers/ beekeeping industry as a whole. Maximum assistance is available up to Rs. 750 lakhs per IBDC. Components & other details of IBDC are available in **Appendix-III**. DPR alongwith supporting documents be submitted to NBB.

IV. Honey & other Bee Hive Products-Quality Control/ Testing Labs & Mobile Labs:

4.11 Since availability of quality honey testing labs is most important to address the quality of honey & other beehive products, provision for setting up of two types of honey testing labs, detailed of which are given as under, will be developed/ exiting labs will be strengthening under NBHM:

- i. **Regional Honey testing labs:** Regional Honey testing labs will be set up under NBHM. The existing labs may also be considered for strengthening for developing facilities for testing of all parameters of honey & other beehive products under this component. The cost of the lab has been estimated to Rs. 2000.00 lakhs per lab out of which assistance, maximum upto Rs. 800.00 lakhs per lab will be given for setting up of/ strengthening of big/ regional honey testing lab.
- ii. **Mini / satellite Honey Testing Labs:** As mentioned above, since availability of quality honey testing labs is most important to address the quality of honey & other beehive products, therefore 100 Distt. Level/ Small satellite Honey testing labs which will work like satellite centre will be developed under the scheme. These labs will be made linked with the Big/ Regional Honey Testing Labs and work as satellite centre.

The cost of Rs. 200.00 lakhs per lab has been estimated for Distt./ Small labs/ satellite labs, out of which assistance max. up to Rs. 100.00 lakhs per lab will be made under NBHM.

V. Setting up of Honeybees Disease Diagnostic & Treatments Labs/ Mobile Labs:

4.12. This new concept of setting up of Disease Diagnostic Lab was developed by NBB after restructuring of NBB under DAC&FW, Govt. of India. Honeybee being a very sensitive insect needs attention for diagnosis of various type infections. For this purpose, the provision has been made for setting up of these labs/ clinics. Under this component, assistance will be given for procurement of all related equipment/ machinery, etc. The cost of the lab has been estimated to Rs. 30.00 lakhs out of which 100% assistance maximum upto Rs. 30.00 lakhs will be given to National Agricultural Research System (NARS), including CAUs/ SAUs, etc.

VI. Setting up of Beekeeping Equipments Manufacturing Units and Standardization of Beekeeping Equipments:

4.13. The adequate & timely availability of quality/ standards beehives, supers, equipments, etc. has been an issue. To address this, a provision has been made for setting up beekeeping equipment, beehive, tools, supers, etc. manufacturing units. Under this component, assistance for procurement of related raw material, tools, equipments, machinery, etc. relating to manufacturing of beehives, frames, equipment, tools, supers, comb foundation sheets making machine, bee veils, brush, queen cage, feeder, smoker, knife, net, etc. making machines, etc. will be made available. DPR for setting up of this unit has to be submitted by the implementing agencies. The cost of the centre has been estimated Rs. 25.00 lakhs out of which maximum assistance upto Rs. 18.80 lakhs will be given as per eligibility of organization/ agency, etc. and pattern of assistance. DPR alongwith supporting documents be submitted by the implementing agencies in the matter.

VII. Custom Hiring Centres:

4.14. Development of Custom Hiring Centres for beekeeping to ensure the availability of honeybee colonies on hiring basis to the farmers who need pollination support for crops. The support will be given for developing requisite infrastructural facilities, including support for equipments for production of high value beehive products, Breeding material, equipments, machinery, accessories etc. Therefore, under this model, the support to develop **Custom Hiring Centres (CHCs)** will be provided. CHC should at least maintain 1000 honeybee colonies along with all requisite tools, machinery, equipments, etc.

required for scientific beekeeping including bee hives, comb foundation sheets, transportation vehicle, etc. The cost of the centre has been estimated Rs. 75.00 lakhs, out of which maximum assistance upto Rs. 56.20 lakhs will be given as per eligibility of organization/ agency, etc. and pattern of assistance. DPR alongwith supporting documents be submitted by the implementing agencies in the matter.

VIII. Setting up of Api-therapy Centres:

4.15.Setting up of Api-Therapy Centre is a new approach for addressing various health relating problems of human & animal which has been proposed under the scheme. The Api-therapy centre may work like a health clinic in which the health issues will be addressed by using Honeybees & various beehive products. The use of Honey, Propolis, Royal jelly, Pollen have proven to address various health problems & disease like cancer, joint pain, impotency, digestion, dental, throat sore, healing of wounds, etc. Therefore, the setting up of Api-therapy centre will help for treatment of so many health infections/ diseases, etc. and promote beekeeping. Under this component assistance will be given for setting up of equipments/ machineries required for the centre. The cost of the centre has been estimated to Rs. 5.00 lakhs out of which maximum assistance upto Rs. 3.80 lakhs will be given as per eligibility of organization/ agency, etc. and pattern of assistance. Copy DPR for setting up of this unit will be submitted by the implementing agency to NBB.

IX. Registration and Insurance/ traceability system/ developing data base/ baseline survey/ bee surveillance & Disaster Management, etc. and Computerization/ Digitization:

4.16.For formulating any policy/ plan/ scheme, availability of data/ records is very much required. Further, to ensure the quality, the traceability of the source of the product is also an important aspect. Therefore, for strengthening beekeeping industry, there is need to get registered all the beekeepers of the country with NBB, which will also help in developing system for developing traceability of source of honey & other beehive products. Developing database also will help in bee surveillance/ disaster management. The Digitization of the records is also an important part, therefore, the combination of all these activities would help in developing robust & scientific beekeeping in sustainable manner. Keeping in view this, a provision has been made under the scheme for developing complete data with digitization of record & having traceability system as well as system for bee surveillance, etc. The CAUs/ SAUs, organizations/ societies/ agencies, etc. involved in digitization/ computerization, developing traceability system are eligible for assistance under this activity. DPR alongwith supporting documents is to be submitted under NBHM to NBB.

X. Empowerment of Women through beekeeping:

4.17. Special thrust will be given for involvement and empowerment of women through beekeeping under this scheme (NBHM). Groups/ clusters of women will be developed and priority will be given to tribal women clusters/ groups. The women members of these clusters will be trained in beekeeping and encouraged for adopting scientific beekeeping. An assistance of Rs. 20,000/- per group for formation of new groups and also an assistance of Rs. 50,000/- per group as working capital will be provided to sustain the activity. These trained women force would be used as Master Trainers/ Guiding factor for furtherance of the scheme/component and these groups serve as Role Model in beekeeping for women in other areas.

4.18. For extending the scope of this component/scheme, convergence of the scheme of NABARD to provide easy and cheap loans to these women groups; Ministry of Development of North Eastern Region (DONER), North Eastern Regional Agricultural Marketing Corporation (NERAMAC) for funding to the women groups/clusters in North Eastern Region; Tribal Cooperative Marketing Development Federation of India Limited (TRIFED), Ministry of Tribal Affairs, Ministry of Women & Child Development, Ministry of Rural Development, Ministry of MSME, Ministry of AYUSH, etc. for support. In addition, for multiplying/ extending the scheme in other States/ Districts, funds from other schemes of DAC&FW like RKVY, MIDH and other Ministries/ Departments, including funds available under Tribal Sub Plan (TSP) may also be utilized for this purpose.

XI. Technology Demonstrations on Impact of Honeybees on yield enhancement & quality improvements of Agrl./ Hortl. Produce (seeds/ fruits):

4.19. To demonstrate the impact of honeybees/ beekeeping, in enhancing the yield/ productivity of crops as well as quality of produce (seeds/ fruits), the technology demonstrations will be conducted at farmers' field. This will create awareness among the farmers/ beekeepers about the role of honey bees /beekeeping in yield enhancement & quality improvement of product, which will also minimize the conflicts between farmers & beekeepers. Maximum assistance @ of Rs. 10,000/- ha. will be provided for meeting out the expenses by the CAUs/ SAUs, ICAR institutes, etc. and the impact report in this regard will be submitted to NBB. DPR alongwith supporting documents is to be submitted under NBHM to NBB.

“Beekeeping is the 5th and most important input for overall sustainable development of Agriculture/ Horticulture”

XII. Promotion of new global technology for development of scientific beekeeping:

4.20.For any technology which may be helpful for overall promotion & development of scientific beekeeping in the country will be adopted & promoted under this component. Technologies available outside the country may also be imported for their adoption in the country after studying the impact of technology on beekeeping. New innovation/ technology will be promoted. This activity will be project based and funded after thorough examination & approval of the competent authority. Detailed proposals in this regard may be submitted to NBB.

XIII. Distribution of specialized beekeeping equipment for production of high value beehive products, viz. Royal Jelly, Bee Venom, Comb Honey, Bee Pollen, etc.:

4.21.Most of the beekeepers are producing honey only. There are other so many high value beehive products viz.; Royal Jelly, Bee Venom, Comb Honey, Bee Pollen, etc. which can also be produced easily by taking training for production of these beehive products, for which training module has also been prepared by NBB. The main constraint in production of beehive products is use of costly equipments/ machinery due to which the most of the beekeepers are not able to take production of these high value beehive products. Therefore, under this component, assistance be available on these equipments, including pollen tray, Royal jelly production kit, bee venom extractor, comb honey production tools & equipments, equipments & tools for production of propolis, etc. It will encourage the production of these high value beehive products and diversification in beekeeping which will ultimately increase the income of the beekeepers/farmers. Detailed proposals in prescribed format given as **Appendix-IV** for getting assistance under this component be submitted to NBB.

4.22. Declaration/ Certificate of applicant/ beneficiary, including Individual/ Group (SHGs/ FIGs), etc. for purchasing specialized beekeeping equipment for production of high value products, viz. Royal Jelly, Bee Venom, Comb Honey, Bee Pollen, etc. under National Beekeeping and Honey Mission (NBHM) is also to be submitted in the format given at **Appendix- V**.

4.23. Declaration/ Certificate by the Supplier/ Organization/ Institute which has supplied specialized beekeeping equipment for production of high value products, viz. Royal Jelly, Bee Venom, Comb Honey, Bee Pollen, etc. to the experienced/ trained beekeepers, Individual/ Group (SHGs/ FIGs), etc., under National Beekeeping and Honey Mission (NBHM) is also to be submitted in the format given at **Appendix- VI**.

XIV. Promotion of Plantations, Bee friendly Plants/ Flora/ Bee Gardens, etc.

4.24. For sustainability of beekeeping, there is need to develop bee friendly plants/ flora as much as possible. The setting of bee garden/ plantation of bee friendly plants is very much required at the level of organizations involved in beekeeping research, so that the colonies maintained for research purpose may sustain. Further, for supporting beekeeping/ beekeepers, there is need to plant bee friendly flora on the banks of the rivers/ canals, vacant lands of railways, on railway track/ road side, forest areas, waste land, etc. For promotion of bee friendly plants, provision has been made under the scheme. Under this activity, maximum assistance @ upto Rs. 50,000/- per ha. will be provided for planting bee friendly plants/ flora. Detailed proposals in this regard may be submitted to NBB.

XV. Strengthening of Institutional framework/ setting up of State Bee Boards/Missions/ Cooperatives:

4.25. 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 also be supported for promotion and development of scientific beekeeping in the States. Formation of Women Groups/ Clusters for promotion & empowerment of women through beekeeping will be encouraged. The assistance of Rs. 25.00 lakhs per State Bee Boards/ Missions/ Cooperatives/ FPOs of Beekeepers promoted by State Govts., etc. may be given under the scheme. Detailed proposals in this regard may be submitted to NBB.

XVI. Seminars/ Workshops/ Conferences:

4.26. Following types of Seminars/ Workshops/ Conferences will be organized:

- a. National Level:** To create awareness about beekeeping & disseminating knowledge on scientific beekeeping, two Days National Level Seminar be organized under NBHM. The no. of participants including beekeepers/ farmers/ stakeholder/ officials, etc. to be 300 each day. Maximum assistance of Rs. 5.00 lakhs (100%) per seminar is available under the scheme. Detailed guidelines are given at **Appendix-VII.**
- b. State Level:** To create awareness about beekeeping & disseminating knowledge on scientific beekeeping, two Days State Level Seminar be organized under NBHM. The no. of participants including beekeepers/ farmers/ stakeholder/ officials, etc. to be 250 each day. Maximum assistance of Rs. 3.00 lakhs (100%) per seminar is available under the scheme. Detailed guidelines are given at **Appendix- VIII.**
- c. District Level:** To create awareness about beekeeping & disseminating knowledge on scientific beekeeping, two Days District Level Seminar on beekeeping be organized under

NBHM. The no. of participants including beekeepers/ farmers/ stakeholder/officials, etc. to be 200 each day. Maximum assistance of Rs. 2.00 lakhs (100%) per seminar is available under the scheme. Detailed guidelines are given at **Appendix-IX**.

4.27. Proforma for furnishing proposal for National/ State/ District Level Seminars cum Awareness Programmes/ Workshops/ Conferences on Beekeeping is given at **Appendix- X**.

XVII. Trainings/ Exposure Visits:

4.28. Two types of **trainings/ Exposure Visits** will be organized:

A. Physical Training:

I. 3 types of physical trainings/ Exposure Visits of farmers/ beekeepers/ others stakeholders, etc. will be conducted:

a. Within State Training: Within State Trainings, each of a batch of 25 participants for seven days, for which maximum assistance is available @ Rs.1.75 lakhs / per training (@ Rs. 1000 per day per candidate), to be organized.

b. Out of State Trainings and Out of State Exposure Visits: Outside the State Trainings & Exposure Visits, each of a batch of 25 participants for seven days may be organized for which assistance is available upto Rs. 2.00 lakhs/ per training as per the proposals & guidelines, to be organized.

c. Outside the country Trainings/ Exposure Visits: Outside the country Trainings/ Exposure Visits for which maximum assistance is available @ Rs. 4.00 lakh per candidate, to be organized.

II. Similarly, 3 types of physical trainings/ Exposure Visits will be for of farmers/ beekeepers of field functionary / concerned officials will also be conducted, details of which are summarized as under:

a. Within State Trainings: Within State Trainings, each of a batch of 10 to 15 participants/ officials for seven days, for which maximum assistance is available @ of Rs. 300 per day/ per participant + TA/DA as per eligibility of Officials, to be organized.

b. Out of State Trainings and Out of State Exposure Visits: Outside the State Trainings & Exposure Visits, each of a batch of 10-15 officials/ participant for seven days, for which maximum assistance is available @ Rs. 800 per day/ per participant + TA/DA as per eligibility, to be organized.

c. Outside the country Trainings/ Exposure Visits officials: Outside the country Trainings/ Exposure Visits for which maximum assistance is available @ Rs 6.00 lakh per candidate, to be organized.

4.29. Proforma for furnishing proposal for Within the State & Out of the State Trainings and Out of the State Exposure Visits on beekeeping is given at **Appendix-XI**.

4.30. Guidelines to be followed for organizing Within the State & Out of the State Trainings and Out of the State Exposure Visits on beekeeping are given at **Appendix-XII**.

4.31. Copies of Training Modules for the Trainings on Beekeeping for: (i) General Introductory Course, (ii) Training on Scientific Beekeeping (iii) Specialized training on Beekeeping and (iv) Trainings on Post Harvest Management of Beehive Products are enclosed as **Appendix XIII to XVI**.

B. Online Trainings:

4.32 Online Trainings in scientific beekeeping for the farmers/ beekeepers/ officials/ stakeholders, etc. will also be organized for three days, each of a batch of 40-50 participants for which maximum assistance is available @ Rs. 15,000/- per online training to be organized. Detailed guidelines are given at **Appendix-XVII**. The proposals in this regards we submitted as per Performa given at **Appendix -XVIII**.

XVIII. Monitoring & Evaluation:

4.33. A system for monitoring and evaluation of project proposals and progress of project may be developed by NBB. Third party evaluation will also be made. The NBHM/ NBB will commission short term studies on various aspects of beekeeping depending on need and emerging requirements. Such studies will be on project basis. Monitoring Mission, comprising officials/experts, will visit the States from time to time, which will be organized under concerned component under NBHM. State Government organizations/ agencies may also conduct evaluation studies on project basis.

XIX. Publicity and Publications, Advertisements, exhibitions/ fairs, etc. for promotion of Scientific Beekeeping and Honey Consumption:

4.34. Publicity and publications of scientific/ technical knowledge in form of magazines, souvenir, trainees guides/ training material, etc. will be promoted under this activity. The publicity about scientific beekeeping/ technologies through electronic media, etc. about uses of honey & other beehive products, scientific beekeeping, role of beekeeping in agri. & rural development, employment & income generation, etc. will be taken up under this activity. The organizations involved in publication/ publicity will be involved for this purpose. Most of these activities be managed by NBB by involving other stakeholders. Detailed proposal alongwith supporting documents be submitted to NBB.

XX. Awards to Progressive Beekeepers/ Farmers involved in adoption and promotion of Scientific Beekeeping:

4.35. To encourage adoption of scientific beekeeping, the progressive beekeepers/ adopting scientific beekeeping by using latest technologies and have good track record for practicing scientific beekeeping & disseminating knowledge to others may be selected & awarded as a Good beekeeper/ role model for others. Therefore, three types of awards may be awarded, as:

- a.** Best Beekeeper award;
- b.** Best Innovator in Beekeeping Award; and
- c.** Awards for diversification in beekeeping.

An awards of Rs. 2.00 lakhs each award, alongwith appreciation certificate be given to the best selected beekeeper under these three categories. Proposal in this regard, be submitted by the Deptts. of Horticulture & other National Level Implementing Agencies under NBHM after scrutiny & following procedure to NBB. The executive committee constituted under NBHM in DAC&FW good evaluate the proposals received for awards & take the final decision for recommend the names for these awards

XXI. Management Support under NBHM:

4.36. 6% of amount sanctioned for the projects is available as Management support under the scheme. Out of 6% Management support, 3.5% be given to the implementing agencies in the field and 2.5 % be kept by NBB for the project implemented by implementing agencies and in case of activities which will be directly implemented by NBB, management support @ 6% will go to NBB.

XXII. Administrative/ Office Management cost:

4.37. Provision for Mission Management cost to meet out the Administrative/ Office Management cost for NBHM Cell/ unit, including cost of staff, hiring of Chief Consultants/ Consultants & other contractual secretarial staff, etc. at National/ Head Quarters Level is available. The details of remunerations to be paid to the contractual staff, including chief consultants/ consultants, etc. are given at **Appendix- XIX.**

4.38. For all the Infrastructural facilities under MM-I viz.; setting up of IBDC, setting up of Quality Nucleus Stock Development Centers, development of bee breeders, setting up of honey & other beehive quality control labs, Mini Labs, setting up of disease diagnostic labs, setting up of Beekeeping Equipment Manufacturing Units, Custom Hiring Centre, Api therapy centre, etc. the cost will be divided in 3 parts:

- I. Infrastructural facilities, including construction, buildings/ sheds;
- II. Plant equipments/ machinery, etc.; and
- III. Manpower.

4.39. For calculation of assistance for the above mentioned infrastructural facilities, cost will be considered as per details given below:

- I. Infrastructural facilities including, construction / buildings/ sheds:** upto 30 % of the eligible cost of building/ shed/ construction, etc. for all infrastructural activities.
- II. Plant equipments/ machinery, etc.:** upto 100% of the eligible cost; and
- III. Manpower:**
 - a. upto 10% of eligible cost of the projects costing upto Rs. 2.00 crores;
 - b. upto 7% of eligible cost of the projects more than Rs. 2.00 crores & upto Rs 5.00 crores; and
 - c. Upto 5% of eligible cost of the projects costing more than Rs. 5.00 crores.

4.40. For Integrated Development of Scientific Beekeeping (IDSB) and for setting up of infrastructural facilities viz.; setting up of IBDC, setting up of Quality Nucleus Stock development Centers, development of bee breeders, setting up of honey & other beehive quality control lab, Mini Labs, setting up of disease diagnostic labs, setting up of Beekeeping Equipment Manufacturing Units, Custom Hiring Centre, Api therapy centre, etc., Detailed proposals in prescribed format at given **Appendix-XX**, alongwith Detailed Project Report (DPR) and Supporting documents be submitted to NBB.

B. Mini Mission II:

4.41. 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, developing brands for various types of honey and other beehive products, facilitation for marketing/ export of honey and other beehive products, developing marketing infrastructures, etc. are envisaged. The concerned organizations/ agencies of MoFPI, Ministry of Women & Child Development, Ministry of Human Resource Development, M/o Tribal Affairs, AYUSH, State Departments of Food Processing Industries, KVIC, and other implementing agencies, etc. will be involved in implementation of this Mini Mission.

4.42. The details of activities approved under Mini Mission-II, cost norms & pattern of assistance under NBHM are given at **Annexure-IV**. The details of activities to be implemented under Mini Mission-II are as under:

I. Honey & other beehive products collection, trading, branding, marketing, etc. centres:

4.43. Facility/ infrastructure for collection, branding, trading, marketing, etc. of honey & other beehive products are not available in the field. Under NBHM, this facility will be developed to facilitate beekeepers/ farmers, traders, processors, exporters, etc. Under this component, the brands of various types of honey viz.: litchi, eucalyptus, acacia, mustard, coriander, multifloral, etc. may be developed & marketing facilitation will also be supported. The total cost of this component has been estimated Rs. 30.00 lakhs, out of which maximum assistance upto Rs. 20.00 lakhs per facility will be available as assistance. Detailed Project Report (DPR) alongwith supporting documents be submitted to NBB.

II. Packaging, Storages, Cold Storage, etc. for Honey & other beehive products:

4.44. Infrastructure for packaging, storages, cold Storage, etc. for honey & other beehive products is also not available in the field. Therefore, under NBHM thrust will be given for developing Infrastructural facilities in the field to facilitates beekeepers/ farmers, traders, processors, exporters, etc. It will promote beekeepers/ FPOs, / Firms/ Societies, etc. for packaging their products and selling it to the consumers in the market. The facilities of storages/ cold storages for storing raw/ processed honey will be developed. The total cost of this component has been estimated Rs. 80.00 lakhs, out of which maximum assistance upto Rs. 60.00 lakhs per facility will be made available as assistance. Detailed Project Report (DPR) alongwith supporting documents be submitted to NBB.

III. Honey & other beehive products Processing Units/Plants:

4.45. Processing of honey & other beehive products is required for moisture reduction, if any, cleaning, separating wax from honey, etc. India being sub-tropical country, sometime honey produced/ harvested by beekeepers have high moisture content (22-25%) which needs to be reduced to 20% or below 20%. High moisture content attract fermentation in honey which also deteriorates the quality as well as self-life of honey & other beehive products. Further, the importing countries importing honey from India also have their own requirement for moisture content in honey below 20%, may be 18-19 %. In Honey Standards notified by FSSAI, among others, moisture content limit maximum 20 %. Therefore, processing in Indian condition is very much required. Further, this processing facility will facilitate beekeepers/ beekeepers

organizations/ FPOs, etc. to process their products and selling to domestic & international market. The existing processors/ exporters of Honey may also utilize this facility for setting up of new processing unit in different areas. Keeping in view this all, this component has been kept under NBHM for which processing/ Export unit costing upto Rs. 500.00 lakhs will be considered under the scheme. Maximum assistance upto Rs. 300.00 lakhs will be made available for this facility/ infrastructure. Detailed Project Report (DPR) alongwith supporting documents be submitted to NBB.

IV. Renovation/ Extension of Old Honey & Other Beehive Products Processing Units/ Plants:

4.46. About 50% of honey produced in India is being exported to various countries, including USA, European countries, Saudi countries, etc. To stand in the competition in Inter-national market, maintaining quality is the important part. Day by day several technological advances are taking place, therefore, the renovation of old processing plant/ unit is very much required to remain stand in International market in this time of competition. Therefore, this component has also been made under the scheme. The total cost of this component has been estimated Rs. 30.00 lakhs per unit or plant, out of which maximum assistance upto Rs. 20.00 lakhs will be made available. Detailed Project Report (DPR) alongwith supporting documents be submitted to NBB.

V. Setting up of Honey & other beehive products in house testing labs in Honey Processing Units:

4.47. In processing plant, in house testing facility is very much required for testing of raw honey received in the unit to process the same. Therefore, the facilities, atleast for basic tests for raw honey at the receiving point are required. Therefore, to facilitate the processing units this component has been kept under NBHM. The total cost of this component has been estimated Rs. 100.00 lakhs, out of which maximum assistance upto Rs. 50.00 lakhs will made be available. Detailed Project Report (DPR) alongwith supporting documents be submitted to NBB.

4.48. For all the Infrastructural facilities under MM-II, the cost will be divided in 3 parts:

- I. Infrastructural facilities, including construction, buildings/ sheds;
- II. Plant equipments/ machinery, etc.; and
- III. Manpower.

4.49. For calculation of assistance for the above mentioned infrastructural facilities, cost will be considered as per details given below:

- I. Infrastructural facilities, including, construction / buildings/ shed: upto 30 % of the eligible cost of buildings/ sheds/ construction, etc. for all infrastructural activities, except the activity of Honey packaging, Storages, Cold Storage, etc. for which **70%** of the eligible cost of construction/ building/sheds will be considered.
- II. Plant equipments/ machinery, etc.: upto 100% of the eligible cost; and
- III. Manpower:
 - a. upto 10% of eligible cost of the projects costing upto Rs. 2.00 crores;
 - b. upto 7% of eligible cost of the projects more than Rs. 2.00 crores & upto Rs. 5.00 crores; and
 - c. Upto 5% of eligible cost of the projects costing more than Rs. 5.00 crores.

4.50. Detailed proposals for setting up of the above-mentioned infrastructural facilities in the format given at **Appendix-XX** along with Detailed Project Report (DPR) and Supporting documents be submitted to NBB.

C. Mini Mission III.

4.51. This Mission will concentrate on Research & Technology generation for different Regions/ States/ Agro-Climatic and Socio-Economic conditions. National Agricultural Research System (NARS)/ ICAR/ CAUs/ SAUs, including AICRP (HB&P) and other agencies like M/o Science & Technology, IITs, National Institute of Nutrition (NIN), Indian Council of Medical Research (ICMR), Council of Scientific & Industrial Research (CSIR), National Medicinal Plants Board (NMPB), AYUSH, etc. involved in agricultural/ horticultural/ beekeeping research and research in developing technologies in value addition in food products, including Honey & other beehive products, their quality control, etc. in the country, will be involved for generation of new technologies. 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 also 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. Various studies on the subject related to beekeeping, including survey of floral conditions, developing flora charts, etc.

4.52. The cost of the proposals under MM- III will be considered in three parts:

- i. Technologies including eligible equipment/ tools/ machinery, etc. & R&D: 100% of the eligible cost;

ii. Consumables/ misc. etc.: 100 % of eligible cost; and

iii. Contractual Manpower:

- a. upto 10% of eligible cost of the projects costing upto Rs. 2.00 crores;
- b. upto 7% of eligible cost of the projects costing more than Rs. 2.00 crores & upto Rs. 5.00 crores; and
- c. upto 5% of eligible cost of the projects costing more than Rs. 5.00 crores .

4.53. Detailed proposal/ DPR alongwith supporting documents for all the proposals of R&D be submitted to NBB under NBHM.

4.54. For setting up of/ developing infrastructural facilities under Mini Missions I & II, details of which are given above, convergence with other schemes of Central/ State Govts., viz.; Rashtriya Krsihi Vikas Yojana (RKVY), Agricultural Infrastructural Funds (AIFs), Schemes of M/o MSME, M/o RD, M/o EF&CC, M/o AYUSH, M/o Tribal Affairs, M/o DONER, M/o FPI, NABARD, etc. will be made & provision under these schemes be utilized.

4.55. 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.

4.56. Advisories on Good Beekeeping Practices (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.

4.57. Promotion of scientific beekeeping for enhancing crop productivity & honey production: 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 production for generating more income and employment round the year will be implemented. Thrust will also be given on development of quality nucleus stock/ 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.

4.58. Production of High Value beehive products: Efforts will be made for 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 honeys, including high altitude honey, etc. and other beehive products, etc.

4.59. Registration: Registration of beekeepers, beekeeping societies, firms, companies, etc. involved in beekeeping will be encouraged.

4.60. Promoting/ Developing Honey Corridors: Possibilities for Supporting & facilitation for developing Honey Corridors in potential areas will be explored by doing convergence with other schemes of Central/ State Govts. viz.; Rashtriya Krsihi Vikas Yojana (RKVY), Agricultural Infrastructural Funds (AIFs), Schemes of M/o MSME, M/o RD, M/o EF&CC, M/o AYUSH, M/o Tribal Affairs, M/o DONER, M/o FPI, NABARD, etc.

5. ANNUAL ACTION PLAN (AAP), PROCEDURE FOR APPROVAL AND IMPLEMENTATION:

A. ANNUAL ACTION PLAN:

5.1. The following procedure would be adopted in preparing, approval and implementation of AAP under the scheme:

I. National Beekeeping & Honey Mission (NBHM) will be implemented through National Bee Board (NBB) **as a Central Sector Scheme** (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.**

II. NBHM cell/ unit, DAC&FW, Ministry of Agriculture & Farmers Welfare will communicate the tentative outlay for the year under NBHM to National Bee Board.

III. NBB will prepare & submit activity/ component-wise and Mini Mission-wise detailed Annual Action Plan (AAP) for overall promotion & development of scientific beekeeping in the country. Annual Action Plan (AAP) will be prepared by keeping in view the approved activities/ programmes under the scheme.

B. Procedures of Approval:

5.2. 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.

5.3. The project proposals received in NBB as per AAP under NBHM will be examined & recommended by the Project Appraisal Committee (PAC) under the Chairmanship of Horticulture Commissioner (HC), DAC&FW/ Mission Director, NBHM and placed before the EC/ PA&MC for approval, as per the Delegations of Powers.

C. Panchayati Raj:

5.4. Panchayati Raj Institutions (PRIs) existing in the States may also be involved in the implementation of the programme/ activities in the field, wherever required.

D. Submission of Proposals by Implementing Agencies:

5.5. All the implementing agencies, as per details given in **para no. 3.14 of point III above**, will submit their project proposals to NBB for their implementation in the field, after going through the guidelines, in prescribed format along with DPR and supporting documents.

I. The following Agencies/ Organizations will submit the project proposals to the State Departments of Horticulture/Agriculture:

- a. State Govt. Agencies viz.; societies/ firms/ companies/ agencies/ organizations/ FPOs/ cooperatives, etc.;
- b. State Horticulture Mission/ NHM /HMNEH/State Bee Boards/ State Bee Missions, etc.
- c. SRLM, KVKs, State Khadi & Village Industry Boards (SKVIBs), State Agro. Corporations / State Cooperatives, etc.;
- d. Member societies/ firms/ companies, etc. of NBB for implementation of activities should submit proposal to the State Deptt. of Horti./ Agri. by following the guidelines. State Deptt. of Horti./ Agri. will examine the proposals & get them approved from the concerned Distt. & State Level Committees constituted for NBHM and submit consolidated proposals to NBB;
- e. Other State Govt. Organizations/ Agencies/ NGOs/ Societies, etc. involved in beekeeping & eligible for implementation of activities as per these guidelines as an implementing agencies;
- f. All the above mentioned agencies/ organizations, individuals, etc. for getting benefits under the scheme for setting up of infrastructural facilities under NBHM will also submit the proposals through the State Departments of Horticulture / Agriculture to NBB. The proposals approved/ recommended by the competent authority viz.; Secretary/ Principal Secretary (Horti./Agri.)/ Agriculture Production Commissioner (APC)/ Chairman of SLSC be submitted to NBB for consideration under NBHM;
- g. These agencies/ organizations will submit proposals to the District Level Committees/ District Horticulture Officers (DHOs)/ District Agriculture Officers (DAOs)/ Deputy Directors of Horti./ Agri. of their respective Districts;
- h. The District Level Committees after securitizing/ examining the proposals as per these guidelines of NBHM will recommend the proposals to the State Level Steering Committees (SLSCs)/ Directors of Horticulture/ Agriculture;
- i. The State Deptts. of Horti./ Agri. will designate their State Bee Boards/ State Bee Missions/ NHM/ NMNEH/ any other concerned State Govt.'s societies/ agencies/ organizations as a Nodal Agency/ Organization under NBHM for examining, recommending, implementation, monitoring & coordination with all the concerned State level agencies/ organizations for effective & smooth implementation of activities under NBHM; and

- j. The State Level Steering Committees (SLSCs), after scrutinizing/ examining the proposals as per these guidelines of NBHM will recommend the eligible project proposals to NBB for further consideration under NBHM. State Nodal Agency will submit consolidated proposal to NBB.

II. National Level Agencies/Organizations / Boards/ Missions, etc. will submit their proposals as per the details given below:

- a. KVIC, NI-MSME, etc. working under MSME will submit their proposals to NBB through the Ministry of MSME;
- b. NMPB & other organizations/ boards working under Ministry of AYUSH will submit their proposals to NBB through the Ministry of AYUSH;
- c. Boards/ organizations working under M/o EF&CC, will submit their proposals to NBB through the Ministry of M/o EF&CC;
- d. Boards/ organizations working under M/o MoFPI, will submit their proposals to NBB through the Ministry of M/o MoFPI;
- e. National Rural Livelihood Mission (NRLM)/ other agencies working under National Rural Livelihood Mission (NRLM) will submit their proposals to NBB through the Ministry of M/o R& D;
- f. TRIFED, other agencies working under M/o Tribal Affairs will submit their proposals to NBB through the Ministry Tribal Affairs;
- g. North East Region Agricultural Marketing Corporation (NERAMAC), other agencies working under M/o DONER will submit their proposals to NBB through M/o DONER; and;
- h. Any other National Level Boards/ Missions/ Organizations involved in beekeeping can also submit their project proposals to NBB through their concerned Ministries.

III. The Dairy Cooperatives/ Milk Unions/ Federations/ GCMMF & other National/ State level Dairy Cooperatives associated/ working under NDDDB will submit their proposals to NBB through NDDDB. NDDDB will be the Nodal agency for implementation of activities by these organizations/ agencies;

IV. ICAR and its institutions, AICRP (HB&P), KVKs/ CAUs/ SAUs, IITs, NIN, ICMR, NCDC, NAFED & other Central Govt. Organizations/Agencies involved in beekeeping may also submit their proposals directly to NBB;

V. Any organizations/Agencies not covered under any above mentioned categories & involved in beekeeping will submit their proposal through State Deptts. of Horti./ Agri. as per the procedure mentioned in point I above.

VI. In case of setting up / upgradation of honey testing labs, including mini/ satellite honey

testing labs, the proposals be submitted to NBB through FSSAI. The experienced agencies/ organizations/ companies having food quality testing labs with two–three years' experience in food quality testing may also submit proposals to NBB through FSSAI for upgradation of labs for testing of all parameters of honey & other beehive products as per notifications of standards for these products by FSSAI. FSSAI after scrutiny/ examining the proposals & verifying their credentials & eligibility, will recommend the eligible proposals to NBB for consideration.

6. MISSION SUPPORT/ ASSISTANCE UNDER NBHM:

A. SUPPORT/ PATTERN OF ASSISTANCE:

6.1. The subsidy pattern approved under the scheme will be as under:

I. For States other than NE & Himalayan States:

- 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 Organizations, including NBB, ICAR, State Agricultural Universities (SAUs)/ Central Agricultural Universities (CAUs), etc.

II. For North Eastern Region & Himalayas States:

- 90% for all individuals, institutions/ organizations/ societies/ Co-operatives/ Self Help Groups (SHGs)/ Joint Liability Groups (JLGs)/ Farmers/ Beekeepers Interested Groups (FIGs)/ Societies/ Firms /Companies/ FPOs/ Member Societies/ Firms/ Companies of NBB/ FPCs, etc.; and
- 100% for Government agencies/ organizations,

III. For Capacity Building Programmes:

- For Capacity Building Programmes, including trainings, seminars, skill development for farmers/ beekeepers, officials, etc., the pattern of funding/ subsidy be 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., NDDDB/ GCOMMF/ Dairy Cooperatives/ Federations/ other Cooperatives, etc., which are member of NBB/ other Member Societies/ Firms/ Companies of NBB, NAFED / ICAR/ CAUs/ SAUs/ AICRP (HB&P)/ KVKs, NCDC, etc./ organizations/ agencies under MSME (KVIC/

State Khadi & Village Industry Boards (SKVIBs), etc.), MoEF&CC/ State Forest Departments, MoFPI, PRIs, SRLMs/NRLM, NMPB, AYUSH, TRIFED, M/o Tribal Affairs, NERAMAC, DoNER, 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 for implementation of activities in the field. As far as possible, efforts to make online 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 at **Annexure- V**.

7.3. The funds will be released to the implementing agencies in two installments. 1st installment at the time of sanction of the project/ proposal and 2nd after getting progress report of utilization of funds already released and fulfilling the conditions as well as submissions of requisite documents as per check list.

8. MISSION MANAGEMENT:

A. Administrative support for PMU/ Cell under NBHM

8.1. For managing various activities of Mission at National Level, including hiring of Chief Consultants/ Consultants, supporting staff, etc., administrative expenses, miscellaneous, etc. at National Level, the provision of funds made under NBHM shall be utilized.

B. SUPPORT TO NATIONAL BEE BOARD & OTHER IMPLEMENTING AGENCIES:

8.2. For managing various activities of Mission at National, State, District/ Field level by NBB and implementing agencies and support for Administrative Expenses, including hiring of Chief Consultants/ Consultants, supporting staff, etc. at National/ State/ District/ Field level, project preparation, computerization, contingency, etc., the provision **made for Management Support @ 6% of total** Annual Allocation/ Release of Funds/ Expenditure, kept under NBHM, will be utilized. The 6% Management Support will be shared between NBB and other implementing agencies as per details given below:

- i. Out of 6%, **3.5% will be given** to the implementing agencies in the field;
- ii. 2.5 % will be kept by NBB; and
- iii. In case of activities which will be directly implemented by NBB, management support **@ 6% will go to NBB.**

C. INSTITUTIONAL STRENGTHENING / FPO/ START-UP PROMOTION:

8.3. Mission Head Quarters 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. NBB may appoint the requisite staff as per their Rules / Bye Laws and the expenditure may be met out by utilizing the Management Support given to NBB under NBHM and its other resources.

8.5. Assistance will be available for strengthening/ promoting of State Bee Boards / State Bee Missions/ Cooperatives/ Farmer Interested Groups (FIGs)/ Farmer Producer Organizations (FPOs)/ Startups/ Self Help Groups (SHGs), etc. involved in beekeeping/ interested in beekeeping. Women Self Help Groups (SHGs) be promoted under the component of **“Empowerment of Women through Beekeeping”**.

8.6. Agri- entrepreneurs & agri- startups will be encouraged for their involvement in beekeeping/ honey production and supported/ facilitated under different components of NBHM.

D. COLLABORATION WITH INTERNATIONAL AGENCIES/ ORGANIZATIONS:

8.7. Attempts will be made to collaborate with International Agencies/ Organizations/ Federations like FAO, UNDP, Apimondia, 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 NBB/ NBHM. Funds for this purpose will be earmarked in Annual Budget of NBHM/ AAP of NBB under the component of **“Promotion of new global technology for development of scientific beekeeping”**.

9. Other General Rules:

9.1. All Member Societies/ Firms/ Companies/ SHGs, etc. of NBB and others should be registered on Darpan Portal of NITI Aayog to implement the activities and to get benefit under the scheme.

9.2. Only the Member Societies/ Firms/ Companies/ SHGs, etc. of NBB which are having Registration and Membership of NBB for last more than three 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 Societies/ Companies/ Firms/ FPOs/ FPCs Registered Member Societies/ Companies/ Firms/ FPOs/ FPCs, etc. of NBB having more than 100 members and member organizations/ member societies/ firms/ companies/ FPOs/ FPCs of NE States/ based in NE States, including Sikkim and Himalaya States, which are having registration and membership with NBB for the last more than two years, paying Annual Subscription regularly, having good track record, expertise & infrastructural facilities, etc. in beekeeping be also eligible for implementing activities under NBHM. The Public Sector/ Govt. Organizations/ Agencies/ Societies/ Cooperatives, etc. which are member of NBB and involved in beekeeping are exempted from this criteria.

9.3. 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.

9.4 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 in any case, which may again be linked with the 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 Organizations/ Agencies, NDDDB/ NCDC/ Cooperatives/ NAFED, State Bee Boards/ Missions, etc.

9.5. It will be the responsibility of all State Nodal Agencies & other implementing agencies to get the beekeepers/ beekeeping societies/ firms/ companies/ other organization involved in beekeeping, registered with NBB.

10. Progress & other Reportings:

10.1. All State level nodal agencies/ implementing agencies will submit quarterly/ half yearly physical & financial progress report of implementation of activities under NBHM on regular basis in prescribed formats enclosed with these guidelines to NBB. The progress will be uploaded to MIS portal, being developed & communicated shortly.

10.2. Formats for submitting proposals, physical and financial progress reports, utilization certificate with formats (I & II), **check list** for submission of records, documents, bills of expenditure, etc., Travelling allowance, Registration cum feedback Form and Invitation cum information letter for programmes/ activities, etc. and format for submitting details for infrastructure related activities alongwith DPR are enclosed with these guidelines as

Appendixes XXI to XXVII.

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