



**DEPARTMENT OF AGRICULTURE & FARMERS WELFARE**  
**MINISTRY OF AGRICULTURE & FARMERS WELFARE**

# **ANNUAL REPORT- 2021-22**



**GOVERNMENT OF INDIA**

# Chapter-6

## NATIONAL BEEKEEPING AND HONEY MISSION (NBHM) /NATIONAL BEE BOARD (NBB)

### 6.1 Beekeeping:

Beekeeping is an agro-based activity which is being undertaken by farmers/ landless labourers in rural area as a part of Integrated Farming System (IFS). Beekeeping has been useful in pollination of crops, thereby, increasing income of the farmers/beekeepers by way of increasing crop yield and providing honey and other high value beehive products, viz.; bees wax, bee pollen, propolis royal jelly, bee venom, etc., that serves as a source of livelihood for rural poor. Diversified agro climatic conditions of India provide great potential and opportunities for beekeeping/ honey production and export of Honey.

### 6.2 Schemes of DA&FW for promotion of Beekeeping:

#### A. National Beekeeping & Honey Mission (NBHM):

Govt. of India has approved a Central Sector Scheme entitled “**National Beekeeping & Honey Mission (NBHM)**” with total budget outlay of Rs. 500.00 crores for 3 years(2020-21 to 2022-23) under Aatma Nirbhar Bharat Announcement for overall promotion and development of scientific beekeeping and to achieve the goal of “**Sweet Revolution**” in the country by implementing 3 Mini Missions (MMs)-MM-I, MM-II & MM-III under which thrust will be given on awareness, capacity building / trainings, focus on women empowerment through beekeeping, setting up of requisite infrastructural facilities, viz.; Integrated Beekeeping Development Centres (IBDCs), Honeybees Disease Diagnostic Labs, Setting/ upgradation of Honey Testing labs, Beekeeping Equipment Manufacturing Units, Custom Hiring Centres, Api therapy Centres,

Development of Quality Nucleus Stock Centres & Bee Breeders, etc., Digitization/online registration, etc. under MM-I, processing, value addition, market support, etc. under MM-II and R&D under MM-III. An amount of Rs. 145.00 crores has been allotted under NBHM, for the year 2021-22.

#### National Bee Board(NBB):

National Bee Board (NBB), a registered society under Societies Registration Act XXI of 1860 (19<sup>th</sup> July, 2000), was reconstituted under the Chairmanship of Secretary (A&C) in June, 2006. The main objective of NBB is overall development & promotion of Scientific Beekeeping in the country to increase the productivity of crops through pollination and increase the Honey production for increasing the income of the Beekeepers/ Farmers. NBB has been designated/recognised as Nodal Agency for overall development/promotion of scientific beekeeping in the country. The scheme NBHM is being implemented by NBB.

### 6.3 Main activities implemented by NBB under NBHM during 2021-22:

Details of main activities implemented during the year 2021-22 under NBHM, as on date, are given as under:

- 12 project proposals of the State Govts./ Agencies/ Organizations/ Deptts./ ICAR/ CAUs/ SAUs, etc. for total assistance of **Rs. 1444.45** lakhs was approved by PAC under NBHM by NBB.
- Madhukranti portal for online registration/ traceability system for source of Honey & other beehive products have been launched by Hon'ble Union Minister of Agriculture & Farmers Welfare, GoI on 07.04.2021.

- More than 11,000 Beekeepers/ Beekeeping & Honey Societies/ Firms/ Companies with 17.00 lakhs honeybee colonies registered with NBB and uploaded on “मधुक्रान्तिपोर्टल” upto November, 2021.
- NBB in coordination with all the concerned Ministries/ Deptts./ Organizations/ State Govts./ Universities/ ICAR Institute/ KVKs, KVIC, NAFED, NABARD, etc. has celebrated “**World Bee Day (WBD)**” by organizing 2 days National/ State Level Seminars/ Workshops for creating awareness about importance of bees/ honeybees in Agri/ Horti./ Human life, etc., on 20<sup>th</sup> & 21<sup>st</sup> May, 2021 in which, among others, beekeepers, processors, exporters, traders, etc. participated.
- 16 Mini Honey Testing Labs have been sanctioned under National Beekeeping & Honey Mission (NBHM) in the states of Bihar (1), Karnataka (3), Madhya Pradesh (1), Maharashtra (1), Rajasthan (1), Jammu & Kashmir (4), Uttar Pradesh (2) West Bengal (2) and Himachal Pradesh (1).
- 3 Regional/ Big Honey Testing Labs have been sanctioned in Delhi, Gujarat and Karnataka States under NBHM.
- To boost the agricultural production through pollination enhancement in crops in sustainable manner in the country, Department of Agriculture & Farmers Welfare, GOI has decided to treat **Beekeeping / Honeybees as an Input in Agriculture**.
- The Regional Honey Testing lab at IARI, Pusa, New Delhi has been launched by Hon'ble Union Minister of Agri. & Farmers Affairs on 20.05.2021.
- Orientation Workshops/ Video Conferences for States/ UTs and other Stakeholders for 4 Regions (East, West, NE & West Regions) for effective implementation of “Madhukranti” Portal for Developing Block Chain/ Traceability System for Source of Honey & other Beehive Products have been organized time to time.
- Meeting/ VC organised under Chairmanship of Additional Secretary, DA&FW for formation of 100 Honey Clusters and beekeeping training in 60 State Agricultural Universities (SAUs) on 18.06.2021
- 13 Meetings with the States of Assam, Meghalaya, Sikkim, Arunachal Pradesh, Nagaland, Tripura, Manipur, Mizoram, Kerala, Lakshadweep, Telangana, Karnataka, Puducherry, Maharashtra, Andhra Pradesh, Andaman & Nicobar and Gujarat - Dadra Nagar Haveli, Daman Diu & Goa regarding Madhukranti, Honey clusters under NBHM, FPOs, etc. were organized under Chairmanship of Addl. Secy. (AL), DA&FW during 2021-22.
- Bhoomi Pujan/ launching of Honey Processing Plant & other infrastructural facilities at Morena, MP done by Hon'ble Union Minister of Agriculture & Farmers Welfare on 01.07.2021.
- 100 FPOs of Beekeepers/Honey Producers have been allotted to TRIFED (14 nos.), NAFED (60 nos.) and NDDDB (26 nos.) in the identified areas/ Districts/Clusters selected by the National Bee Board (NBB) for implementation of activities under NBHM.
- An Online Workshop on "Promotion of Beekeeping Sector in Southern Region" was organized in collaboration with MANAGE under the chairmanship of Addl. Secretary (AL), DA&FW on 03.09.2021.
- A virtual workshop on “Promotion of Beekeeping in North-East & Himalayan Region” was organized by National Bee Board (NBB) in collaboration with Central

Institute of Horticulture (CIH), Nagaland 14.09.2021 under the Chairmanship of Addl. Secretary (AL), DA&FW, M/o Agri. & Farmers Welfare, GoI.

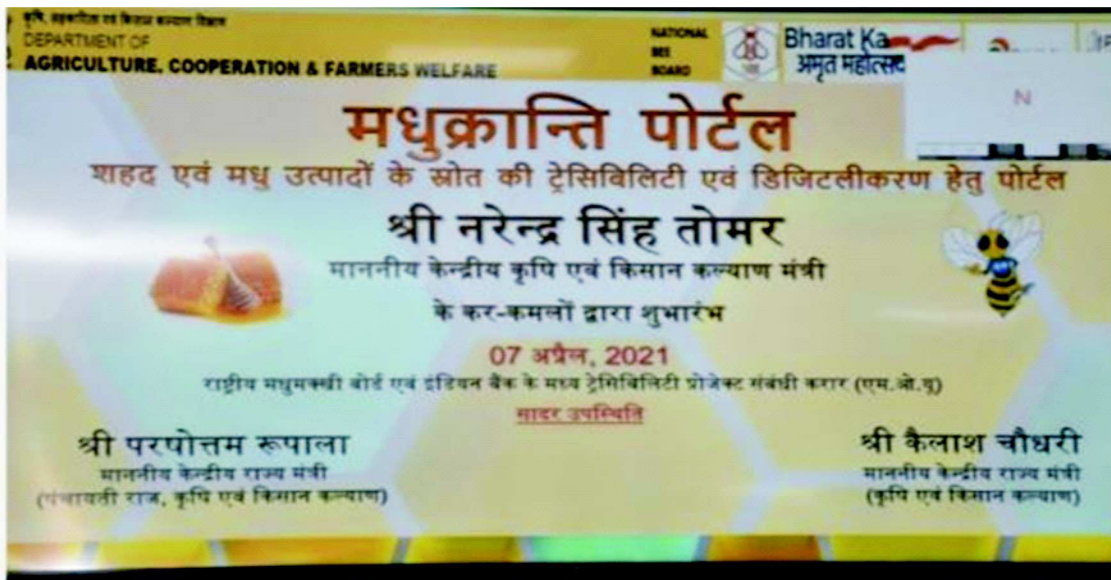
- AMUL honey has been launched by Hon'ble Minister of Agriculture & Farmers Welfare and Hon'ble Minister of Fisheries, Animal Husbandry and Dairying in the presence of MoSs (Agriculture) on 28.09.2021 in collaboration with Gujarat Cooperative Milk Marketing Federation Ltd. (GCMMF) and Banaskantha District Cooperative Milk Federation, Gujarat.
- Honey & other beehive product Processing Lab sanctioned under NBHM at Kamrup, Assam was inaugurated by Hon'ble Minister of Agriculture & Farmers Welfare, GoI on 04.10.2021.
- Beekeepers Summit has been organized on 11.11.2021 by Hon'ble Union Minister of Agriculture & Farmers Welfare, Govt. of India at IARI, Pusa, New Delhi. On this occasion, Farmers' Hostel at CIH was also launched by Hon'ble Minister through virtual mode.
- Training Programme on pilot initiative for Honey Cluster for beekeepers of Namsai District of Arunachal Pradesh was organized on 26.11.2021 through virtual mode.
- 7 Days within State Training on Scientific beekeeping was organized by Tamil Nadu Agricultural University (TNAU) from 16.12.2021 to 22.12.2021 at TNAU, Coimbatore, Tamil Nadu sanctioned under NBHM.

#### 6.4 Main achievements of NBB in beekeeping/ honey production, since its inception in DA&FW/ during the last 7 years (2014-15 to 2021-22)

The main achievements of NBB in beekeeping/ honey production during the last 7 years (2014-15 to 2021-22) are summarized as under:-

- Honey production has increased from 80,530 Metric Tonnes (MTs) in 2014-15 to 1,25,000 Metric Tonnes in 2020-21 (**55.22% increase**).
- Export of honey has increased by **102.85%**, i.e. from 29,578MTs in 2014-15 to 59,999 MTs in 2020-21.
- Four training modules, viz.; (i) basic training on beekeeping (ii) training on scientific beekeeping (iii) training on post-harvest management, processing, etc. & (iv) training on production of high value beehive products viz.; royal jelly, pollen, propolis, bee venom, bees wax, bee bread, etc. prepared & circulated to all the stakeholders including ICAR, SAUs, State Govts., KVIC, etc. for trainings in beekeeping.
- **>30,000 farmers/beekeepers** have been trained in scientific beekeeping including production of high value beehive products, viz.; Bee Pollen, Propolis, Royal Jelly & Bee Venom, etc.
- **>30 Bee Breeders** have been developed for multiplication/ production of **quality honeybee colonies** along with queens for providing to the trained farmers/ beekeepers. Each Bee Breeder produces at least 2000 bee colonies every year.
- **11,000** Beekeepers/Beekeeping & Honey Societies/Firms/Companies with **17.00 lakhs honeybee colonies** have been registered with NBB.
- **16 Integrated Beekeeping Development Centres (IBDCs)** as role model of beekeeping have been commissioned, one each in the States of Haryana, Delhi, Bihar, Punjab, Madhya Pradesh, Uttar Pradesh, Manipur, Uttarakhand, Jammu & Kashmir, Tamil Nadu, Karnataka, Himachal Pradesh, West Bengal, Tripura, Andhra Pradesh and Arunachal Pradesh.

- 35 **Issues** of Quarterly Magazine “**Bee World**” containing information on scientific beekeeping and other related issues published.
- **Advisories on Good Beekeeping Practices (GBPs)** published & circulated to all State Govts. & concerned Agencies/ Stakeholders.
- Projects for **Integrated Development of Scientific Beekeeping (IDSB)** on Cluster/ Area/ District development approach for enhancing the crop productivity & income of farmers/ beekeepers and generating employment in rural areas formulated/ implemented.
- Designed technical standards for food grade plastic containers for storing honey, which helped in minimizing the problem of presence of lead in honey.
- **Standards of Honey, Bees Wax & Royal Jelly notified by FSSAI.**
- Prepared 5 years Vision Document for overall development of beekeeping.
- Requested Ministry of Finance and NABARD for instructing the financial institutions for financing beekeeping activities by providing credit limits /Kisan Credit Cards etc. In pursuance to this NABARD has already directed all commercial banks to finance beekeeping on priority basis.
- Awareness created about role of honeybees/ beekeeping in pollination support of various crops.
- Beekeeping/honeybee has been recognized/ incorporated as an input in Agriculture under various schemes of this Department (RKVY, NFSM, MIDH, etc.).
- National Bee Board is also promoting beekeeping and marketing of honey to explore the possibilities for utilizing milk routes/ NDDDB's infrastructure/ cooperative network in the field.
- **Safal Brand of honey** launched by Mother Dairy under technical guidance/ advice & support of NBB and honey is being sold at Safal Outlets in NCR.
- **150** officials/representatives/members/ farmers of Banas Dairy Union and Kolhapur Dairy Cooperative trained in beekeeping by NBB. Trained farmers/beekeepers started beekeeping.
- **Banas Brand of Honey** launched by Hon'ble Minister on 10<sup>th</sup> December, 2016 at Palanpur, Gujarat.
- Participated in various Horti/Agro Expos and disseminated information on scientific beekeeping. Last years, NBB participated in **Krishi Unnati Mela, 2016 & 2018** and demonstrated world class State of the Art technologies on scientific beekeeping for which **NBB was awarded (First Award- in 2016) & appreciated by Hon'ble PM in 2018.**
- Formulated National Beekeeping & Honey Mission (NBHM)- a new central sector scheme.
- In pursuance to NBB, **Beekeeping Development Committee (BDC)** under the Chairmanship of Dr. Bibek Debroy, Chairman EAC to PM, was constituted with seven members, including ED, NBB to take lead in promoting & coordinating activities involved in Beekeeping Industry so that “**Sweet /Golden Revolution**” in the Country may be achieved.



***Madhukranti portal for online registration/ traceability system for source of Honey & other beehive products have been launched by Hon'ble Union Minister of Agriculture & Farmers Welfare, GoI on 07.04.2021***



Launching of Amul Honey' by Shri Narendra Singh Tomar Ji, Hon'ble Union Minister of Agriculture & Farmers Welfare in the presence of Shri Parshottam Rupala, Hon'ble Union Minister for Animal Husbandry, Fisheries and Dairying on 28.09.2021 under National Beekeeping and Honey Mission (NBHM).



Inauguration of Honey & other beehive product Processing Lab by Hon'ble Minister of Agriculture & Farmers Welfare, Golat Kamrup, Assam on 04.10.2021 sanctioned under National Beekeeping and Honey Mission (NBHM).



**Inauguration of Beekeepers Summit and Farmers' Hostel at Central Institute of Horticulture (CIH), Nagaland by Hon'ble Union Minister of Agriculture & Farmers Welfare, Govt. of India on 11.11.2021 at IARI, Pusa, New Delhi through virtual mode.**

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