Mission for Integrated Development of Horticulture

Department of Agriculture, Cooperation & Farmers Welfare
Dinesh Kumar, Joint Secretary MIDH
Horticulture Scenario

- Horticulture sub-sector emerged as engine for growth since 2004-05:
  - Additional Area under Horticulture
  - Horticulture Production

- Horticulture – important for Doubling of Farmers’ Income (DFI)

  - 12% Share in cropped area
    - Contributes 30% to Agri GDP
  - 1% increase in per capita expenditure
    - Increase in demand: Fruits: 1.9%; Vegetables 1.02%
  - 1% shift in area
    - From non horti to horti crops
    - Adds 0.319% to Agri GDP growth
  - 1 ha area shift
    - From non horti to horti crops
    - Potential to increase Rs. 1.02 lakh gross return p.a.
**Mission for Integrated Development of Horticulture**

**MIDH**: a Mission, that subsumes and integrates all activities in Horticulture.

**CDB**
- **1981**: Coconut Development

**HMNEH**
- **2001-02**: as TMNE for horticulture (in north eastern states)
- **2003-04**: added Himalayan States

**NHB**
- **1984**: commercial horticulture

**NHM**
- **2005-06**: mission to give direction & promote development of horticulture (in 18 states).

**CIH**
- **2006-07**: for HRD in Horticulture

**MIDH**: Various schemes integrated to harness the potential of horticulture in the country.
MIDH Overview - Mission Structure

- **General Council** (Hon’ble Minister as Chairman)
- **Executive Committee** (Secretary as Chairman)
- **Empowered Monitoring Committee** (AS)
- **Mission Director** (JS MIDH)
- **State Level Executive Committee** (Headed by Agricultural Production Commissioner or Principal Secretary Horticulture/Agriculture)
- **State Mission Director** (SHM/HMNEH)
Enhance horticulture production, augment farmer’s income and strengthen nutritional security

Aggregation of farmers into farmer groups like FIGs/FPOs

Skill development and creation of employment opportunities
**Mission for Integrated Development of Horticulture**

<table>
<thead>
<tr>
<th>National Horticulture Mission (NHM)</th>
<th>Central Sponsored Schemes (60%:40%)</th>
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<tbody>
<tr>
<td>Horticulture Mission for North East &amp; Himalayan States (HMNEH)</td>
<td>(90%:10%)</td>
</tr>
<tr>
<td>National Horticulture Board (NHB)</td>
<td>Central Sector Scheme (100%)</td>
</tr>
<tr>
<td><em>Commercial Horticulture Projects</em></td>
<td></td>
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<tr>
<td>Coconut Development Board (CDB)</td>
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<tr>
<td>- <em>Development schemes for Coconut</em></td>
<td></td>
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<tr>
<td>Central Institute of Horticulture (CIH)</td>
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Framework for implementation

**DAC&FW HQ Centre**

- **HMNEH**
  - 90%
- **NHM**
  - 60%
- **CIH**
  - 100%
- **NHB**
  - 100%
- **CDB**
- **NLA**

**SLEC Chaired by Agricultural Production Commissioner or Principal Secretary Horticulture/Agriculture/Environment & Forests**

**Beneficiaries**

**District Mission Committee (DMC)**
- Headed by Chief Executive Officer (CEO) of Zila Parishad/CEO of District Rural Development Agency (DRDA)/CEO

**Beneficiary contributes 75% to 50% of project cost in majority of components.**

**Feedback – Utilisation – Monitoring**

**Hortnet**

**JIT / MIS**
Major Components

- Nursery and Quality Planting material
- Area expansion
- Protected Cultivation: poly-house, green-house, shade-nets, for growing off-season high value vegetables and flowers
- Water Harvesting Structure - Farm ponds: Individual and community
- Horticulture Mechanization
- Post Harvest Infrastructure
  - Cleaning/Sorting /Grading/Packing units
  - Cold Chain
  - Primary Processing
- Capacity Building of farmers
- Beekeeping
- Centre of Excellence (CoEs)
## Budget Allocation & Utilization

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Allocation</th>
<th>Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHM</td>
<td>1209.00</td>
<td>694.32</td>
</tr>
<tr>
<td>HMNEH</td>
<td>380.00</td>
<td>178.75</td>
</tr>
<tr>
<td>NHB</td>
<td>600.00</td>
<td>250.00</td>
</tr>
<tr>
<td>CDB</td>
<td>193.00</td>
<td>96.50</td>
</tr>
<tr>
<td>CIH</td>
<td>9.50</td>
<td>2.81</td>
</tr>
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</table>

### Funds Released:
- Rs. 1222.38 crore (upto 30\(^{th}\) Sept’18)
## Impact of MIDH Interventions (since 2005-06)

<table>
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<tr>
<th>2nd largest Producer of Fruits &amp; Vegetables globally</th>
<th>Exports increased by more than 3 times in 10 years</th>
<th>Gross Value of Horticulture Output: 70% increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruit &amp; vegetable availability per capita increase from 397 gm/day in 2004-05 to 540 gm/day in 2015-16.</td>
<td>Nashik has emerged as center of Grapes production and exports</td>
<td>Bangalore –Pune Cluster developed as floriculture hub</td>
</tr>
<tr>
<td>Micro irrigation and fertigation technology adopted as standard practice led to popularization of Protected cultivation technology</td>
<td>Income enhancement to apple farmers on account of strengthening of cold-chain.</td>
<td>Tissue Culture and Precision farming led to quantum jump in banana production</td>
</tr>
</tbody>
</table>
**Impact of MIDH Interventions (since 2005-06)**

- **Area Expansion:** 36.42 lakh ha
- **Nurseries assisted:** 4555
- **Accredited Nurseries:** 1657
- **Cold Storage Capacity added:** 20.65 million MT (4650)
- **Ripening Chambers:** 478
- **Refeer Trucks:** 411
- **Centers-of-Excellence:** 28
  - Indo-Israel collaboration for high-tech horticulture
- **Farm ponds constructed:** 96101
- **Training to farmers:** 22.29 lakh
Annual Action Plan:- Process Flow

GoI Communicate tentative allocation to States

State Prepare Annual Action plan and Submit to GoI with the approval of State Level Executive Committee (SLEC)

AAP Approved by GoI
AAP includes

Project Based Activities
Non Project Based Activities

Projects with cost less than Rs. 5 Crore approved by SLEC

Projects with cost more than Rs. 5 Crore as recommended by SLEC approved by EMC under Chairmanship of AS
Bilateral Collobaration :- Centre of Excellence (CoE)

- CoE is an approved component under Mission for Integrated Development of Horticulture (MIDH), which can be established for different horticulture crops.
- The CoE serves as demonstration and training centre for latest technologies in horticulture development.
- The centre also serves as source of planting material for fruits and vegetable seedlings for protected cultivation.
- The CoE can be established only by public sector for which grant of Rs. 10.00 crore maximum is available under MIDH.
- The CoE can be established either with technology support from Indian R&D system or can be established through bilateral cooperation.
- At present CoE are being established in cooperation with Israel and Netherland.
Under **Indo – Israel** cooperation, so far 28 CoEs have been sanctioned under MIDH. Out of these, 25 CoEs are completed and started functioning.

Under **Indo – Dutch** cooperation, so far 6 CoEs have been sanctioned under MIDH.

Pilot Value Chain project for potato and tomato under the ongoing cooperation agreement with DEA is being implemented with **Germany** (GIZ)

Cooperation for cold chain development as Part of JWG with **France** is being implemented (CEMAFROID - Training in France/India)

Cooperation for development of Horticulture is also being pursued with **Australia & Japan**.
National Horticulture Board (NHB)

- Established in 1984 to promote high quality Commercial horticulture and developing PHM infrastructure
  - To Promote commercial horticulture
  - Develop post-harvest management and cold-chain infrastructure
  - Development and Transfer of Technology for the promotion of Horticulture
  - Accreditation of Horticulture Nurseries
  - Promotion of mechanization in horticulture
Coconut Development Board (CDB)

- Established as statutory body (1981) for integrated development of coconut cultivation and industry with focus on productivity increase and product diversification.
  - Production and Distribution of Quality Planting Materials
  - Expansion of Area under Coconut.
  - Integrated Farming for productivity improvement.
  - Technology Demonstration/Quality Testing Lab.
  - Technology Mission on Coconut
  - Replanting and Rejuvenation of Old Coconut Garden-
  - Coconut Palm Insurance Scheme
  - Kerasuraksha Insurance scheme
  - Establishment of In House Research & Development Centre.
Current Issues

- Beijing Park- Setting up of India Garden at the International Horticulture Exhibition, 2019, Beijing, China at cost of Rs. 20 Crore.
- Prime Minister Development Package for J&K (PMDP)- Rs. 150 Crore (Very slow pace of utilization)
- Kerala Package- Rs. 56.03 Crore released
- TOP- Consumer/Farmer Issues (Rs. 500 Crore allocated to MOFPI for Operation Green)
- SC/ST Utilization- Slow pace of utilization
- Rs. 200 Crore- As per Budget Announcement-2018-19, Rs. 200 Crore has been proposed by Fin. Minister for cultivation of highly specialized Medicinal & Aromatic Plants
- NHB- Slow pace of utilization
- Sea buckthorn/cashew/Walnut/Almond- New Development
- Delay in release of funds by State Finance Department (Punjab, J&K, Bihar, Kerala, Jharkhand & Arunachal Pradesh)
Thank You

Horticulture Mission