NATIONAL BAMBOO MISSION

Department of Agriculture and Co-operation
Ministry of Agriculture
MAIN OBJECTIVES

➢ To increase the coverage of area, with suitable species to enhance yield;

➢ To promote marketing of bamboo and bamboo based handicrafts;

➢ To promote, develop and disseminate technologies;

➢ To generate employment opportunities, especially unemployed youth.
Programmes under National Bamboo Mission

Research and Development

- Seed & Planting material
- Technology standardization
- Technology acquisition
Programmes under National Bamboo Mission

- Establishment of nurseries
- Area expansion
- Improvement of existing stock
- Micro irrigation
- Pest and disease management
- Training of field functionaries, farmers, entrepreneurs
- Innovative interventions
- Post- harvest storage and treatment facilities
- Bamboo wholesale and retail markets
- Participation in domestic and international trade fairs
Priority species of bamboos

- *B. balcooa*
- *B. bambos*
- *B. nutans*
- *B. tulda*
- *B. pallida*
- *B. vulgaris*
- *Dendrocalamus asper*
- *D. giganteus*
- *D. hamiltonii*
- *D. strictus*
## Financial Achievements
(Rs. In cr.)

<table>
<thead>
<tr>
<th>Year</th>
<th>Release</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-07</td>
<td>75.71</td>
<td>75.71</td>
</tr>
<tr>
<td>2007-08</td>
<td>114.40</td>
<td>113.93</td>
</tr>
<tr>
<td>2008-09</td>
<td>84.66</td>
<td>83.97</td>
</tr>
<tr>
<td>2009-10</td>
<td>50.88</td>
<td>50.84</td>
</tr>
<tr>
<td>2010-11</td>
<td>89.66</td>
<td>86.45</td>
</tr>
<tr>
<td>2011-12</td>
<td>85.68</td>
<td>84.41</td>
</tr>
<tr>
<td>2012-13</td>
<td>87.00</td>
<td>79.29</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>587.99</strong></td>
<td><strong>574.60</strong></td>
</tr>
</tbody>
</table>
## NBM : Cumulative Physical Achievements

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Plantation in forest area (in ha.)</td>
<td>160077</td>
</tr>
<tr>
<td>2</td>
<td>Plantation in Non-forest area (in ha.)</td>
<td>81410</td>
</tr>
<tr>
<td>3</td>
<td>Improvement of Existing Stock (in ha.)</td>
<td>57677</td>
</tr>
<tr>
<td>4</td>
<td>Training of Farmers (in nos.)</td>
<td>39584</td>
</tr>
<tr>
<td>5</td>
<td>Training of field functionaries (nos.)</td>
<td>5816</td>
</tr>
<tr>
<td>6</td>
<td>Nurseries (in nos.)</td>
<td>1311</td>
</tr>
<tr>
<td>7</td>
<td>Micro-irrigation (ha)</td>
<td>5237</td>
</tr>
<tr>
<td>8</td>
<td>Post Harvest Storage &amp; Treatment Facilities</td>
<td>18</td>
</tr>
<tr>
<td>9</td>
<td>Pest and Disease Management (ha.)</td>
<td>81899</td>
</tr>
</tbody>
</table>
Areawise/Regionwise Distribution

Other States, 80775, 33%

N.E., 160712, 67%

Non-forest, 81410, 34%

Forest 160077, 66%
Total Areas (N.E. States)

- Meghalaya, 5574, 4%
- Manipur, 34311, 21%
- Assam, 15201, 10%
- Arunachal Pradesh, 19433, 12%
- Sikkim, 11103, 7%
- Nagaland, 27748, 17%
- Mizoram, 40352, 25%
- Tripura, 6990, 4%
Total Areas (other states)

- Uttarakhand: 5610 (7%)
- Andhra Pradesh: 1286 (2%)
- Bihar: 3130 (4%)
- Chhattisgarh: 12746 (16%)
- Gujarat: 7048 (9%)
- Himachal Pradesh: 3866 (5%)
- J & K: 575 (1%)
- Jharkhand: 4304 (5%)
- Karnataka: 8819 (11%)
- Kerala: 1244 (2%)
- Madhya Pradesh: 2194 (3%)
- Maharashtra: 5183 (6%)
- Orissa: 9010 (11%)
- Punjab: 2330 (3%)
- Tamil Nadu: 2439 (3%)
- Uttarakhand: 5610 (7%)
SOME IMPORTANT CHANGES IN THE GUIDELINES
Dropped Activities

- Centralized Nurseries
- Kisan Nurseries
- Mahila Nurseries
# Geographical coverage

<table>
<thead>
<tr>
<th>Existing</th>
<th>Revised</th>
</tr>
</thead>
<tbody>
<tr>
<td>All States except Haryana</td>
<td>All States and UT’s</td>
</tr>
</tbody>
</table>
New Activities / Interventions

- Hi-tech Nursery
  (2 ha)
  &
  (0.5 ha)

- Rehabilitation of Tissue Culture Units

- Creation of Water Resources
  a) Community Tanks
  b) Water Harvesting System
## Major Changes in Assistance Norms

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Existing (Rs.)</th>
<th>Revised (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area Expansion</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forest Areas</td>
<td>25000/ha</td>
<td>42000/ha</td>
</tr>
<tr>
<td>Public Land</td>
<td>16000/ha</td>
<td>42000/ha</td>
</tr>
<tr>
<td>Non-Forest Areas</td>
<td>16000/ha</td>
<td>30000/ha or 42000/ha (with drip irrigation)</td>
</tr>
<tr>
<td><strong>Improvement of Stock</strong></td>
<td>8000/ha</td>
<td>20000/ha</td>
</tr>
<tr>
<td><strong>Consultancy Charges</strong></td>
<td>1.5%</td>
<td>5%</td>
</tr>
<tr>
<td>Bamboo Wholesale &amp; Retail Markets</td>
<td>16 lakh/unit</td>
<td>25 lakh/unit</td>
</tr>
<tr>
<td>near Villages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bamboo Bazaars</td>
<td>27 lakh/unit</td>
<td>48 lakh/unit</td>
</tr>
<tr>
<td>Retail Outlets (Showrooms)</td>
<td>40 lakh/unit</td>
<td>60 lakh/unit</td>
</tr>
</tbody>
</table>
Future challenges

- Development of Methodology for Certification of Planting Material
- Selection of Superior Clones
- Improvement of Existing Stock
- Baseline Data Generation
Selection of Superior Clones

➢ Revisit of existing growth trials of promising clones is going on for selection of superior clones;
➢ These clones will be used for large scale multiplication in the Hi-tech nurseries;

Certification of Bamboo Planting Material

➢ A framework for Certification of bamboo planting material is being finalised for ensuring that only genetically superior planting material will be used in future plantation

Baseline Survey

➢ Questionnaire for collecting pre-requisite administrative data finalised. Pilot survey expected to be initiated next year
THANK YOU