

Annexure – I

Details of physical and financial progress and qualitative and quantitative impact of component-wise interventions for the various activities undertaken under National Horticulture Mission

The study should evaluate physical and financial progress, and determine the qualitative and quantitative impact of various interventions taken up in the Mission during last six years of X and XI Plan in respect of following components:

1. Planting Materials

a) Nursery - The study should indicate that numbers of nurseries (Model and Small) have been setup, both in public and private sector, number of plants being produced per year, whether planting material generated from these nurseries are of good quality and will be sufficient to meet the future demand of the State. How many nurseries have been accredited, so far.

b) New Tissue culture lab and rehabilitation of Existing Tissue Culture Lab /unit – The study should indicate that how many new TC labs have been set up and how many of existing tissue culture labs/units have been rehabilitated both in public and private sector and output thereof. Whether all of them are accredited as per DBT norms/procedure.

c) Vegetable Seed Production – The study should indicate the quantum of vegetable seed produced alongwith name of vegetable crops and hybrid, vegetable seeds production alongwith details of area covered under both, public and private sector, and whether output is sufficient to meet future demand of the State.

d) Seed Infrastructure - The study should indicate the details of seed infrastructure developed under the Scheme in different States under both in public & private sector and the manner in which the facility are being utilized.

2. Establishment of New Gardens – Area Coverage and Production

The study should indicate the details of pre-project (2004-05) and current level of area coverage, production and productivity of various horticulture crops, including Fruits, Flowers, Spices, Medicinal and Aromatic Plants, Plantation Crops etc. covered under NHM in different States. Survival and growth of horticulture crops together with their production and productivity also need to be indicated. It should also be indicated that how many crop clusters have been formed.

3. Rejuvenation / replacement of Senile Plantation

The study should indicate the progress of rejuvenation / replanting of various senile orchards taken up under the Scheme in various States alongwith the likely enhancement in production and productivity of these orchards after post NHM intervention.

4. Creation of Water Resources

The study should indicate the progress of community water sources along with lining and individual water sources created vis-a-vis target in the Scheme in different

States alongwith increased area under irrigation and ground water recharge due to these structures. The study should also indicate the manner in which the structure is being maintained by the local community.

5. Protected Cultivation

The study should indicate the progress of protected cultivation and its comparative advantage over open-cultivation of various horticulture crops taken up under the Scheme in different States. The study should also indicate whether the revised cost norms provided under protected cultivation are adequate. If not, proposed cost norms in this regard may be suggested.

6. Promotion of INM/IPM

The study should indicate the progress made under promotion of INM/IPM component taken up in the Scheme in different States alongwith infrastructure created in respect of sanitary and phytosanitary labs, bio control labs, diseases forecasting units, plant health clinics and leaf tissue analysis labs and benefits accrued from the infrastructure created.

7. Organic Farming

The study should indicate the progress of area brought under organic cultivation, vermi-compost units and organic certification alongwith the variation in the production and productivity vis-a-vis conventional cultivation and marketability of the organic produce in various NHM States. The study should also indicate the level of awareness generated among farmers in respect of organic farming. Whether, certificates have been issued in respect of certification projects.

8. Pollination Support through Beekeeping

The study should indicate the progress of beekeeping activity and likely benefits in respect of additional income generation to the farmers and its impact on yield of the crop as compared to the yield in the area without pollination support in various NHM States.

9. Human Resources Development

The study should indicate the details of training programme organised for farmers, gardeners, entrepreneurs, supervisors trained in different NHM States in respect of the better understanding of various aspects of horticulture development alongwith number of farmers trained. Details of farmer's visit to inside/outside State also to be indicated. The level of awareness generated among farmers after training/exposure visits also to be indicated.

10. Technology Dissemination through Demonstration/Frontline Demonstration

The study should indicate the number of technology dissemination cum frontline demonstrations taken up in farmer's field as well as on public sector farms and the spread effect of these demonstrations for adoption of improved package of practices and innovative technologies developed in various NHM States.

11. Post Harvest Management

The study should indicate the achievement made in respect of infrastructure developed for post harvest management viz. Establishment of pack houses, cold storage/ C A Storage units, ripening chambers, pre cooling units, onion storage structures, zero energy cool chambers, refer vans, mobile/primary processing /value addition units etc. both in public and private sector in different NHM States and also future planning in this regard. The study should also indicate the likely impact of the infrastructure created / to be created for reducing the post harvest losses and increasing the shelf life of the produce.

12. Marketing Infrastructure

The study should indicate the achievement made in respect of infrastructure developed for marketing like rural markets, apni mandies, wholesale markets, terminal markets, vending carts, functional infrastructure for collection, sorting, grading, washing, packing etc. in both public and private sector for handling the increased production due to NHM intervention in different States and also future planning of the States in this regard.