



Green Skill Development Programme (GSDP) Quality Planting Material Producer

Organized by

ENVIS Resource Partner on Forest Genetic Resources and Tree Improvement

Institute of Forest Genetics and Tree Breeding

(Indian Council of Forestry Research and Education)

Coimbatore

19.02.2020 (Day 13)

Lecture on Vegetative Propagation

A lecture on vegetative propagation was delivered by Ms K. Shanthi, Chief Technical Officer, Plant Biotechnology and Cytogenetics Division. The following topics were covered in her lecture:

- Need for vegetative propagation
- Methods of propagation
- Importance of plant propagation
- Merits and demerits of different modes of propagation
- Propagation distinctions
- Propagation by cuttings



Visit to Vegetative Propagation Complex

The trainees were taken to vegetative propagation complex and Ms C.V. Vijayam, Technical Officer, Plant Biotechnology and Cytogenetics Division explained how propagation was carried out in the nursery.



Ms K. Shanthi, Chief Technical Officer, Plant Biotechnology and Cytogenetics Division explained the following:

- The general structure of the nursery
- How to establish mist chambers
- Preparation of beds in the mist chamber
- Fertigation in mother bed

Trainees went through the vegetative propagation complex and experienced shade house, mist chambers, walk-in-poly tent, poly tunnels and water treatment plant. They also learned about the facility which is utilized for hardening of tissue culture raised plants and clonal propagation of tree species like Casuarinas, Eucalypts, Teak, Bamboos and some medicinal plants.

Ms C.V. Vijayam, Technical Officer also gave an overall idea about the maintenance of humidity & temperature and steps of coppicing. Trainees visited the shade house and the overall process of collection of shoots was also explained.



Filling Hycopots

As a preparatory work, the trainees were split into 3 groups and were trained to wash hycopots and fill them with vermiculate. The filled hycopots were stored in the nursery by covering them in a poly tunnel to maintain moisture and temperature. The entire session was monitored by Ms C.V. Vijayam, Technical Officer and her team.



