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Scope and opportunities for organised tree seed supply in India

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1. Constraints in seed production for native species

 Exotics have evolved from early introductions of very narrow genetic base **Little information on the status of parent**

trees

- Lack of consistency or uniformity in performance
- No standards followed for seed collection
- Inadequate information on suitability of seed for the target site
- No information on the actual gain obtained

How is seed quality considered

- Seed Certification in Forestry (Certification of Forest Reproductive Material in India - IDPSPTI,1979)
- Protection of Plant Varieties and Farmers' Rights Act, 2001

(TRIPS, UPOV)

Forest Reproductive Material Certification Bill

(ICFRE, 2008)

Seeds, Parts of plants, Plants

MINIMUM SEED CERTIFICATION STANDARDS FOR FOREST TREES AND MEDICINAL PLANTS

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Case Study



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Sub: - Improved Management of Teak Plantations - Protocol for Collection of Teak Seeds - reg:



Kerala Forest Seed Centre (KFSC)

- Assessment of Seed requirement by Territorial / Social Forestry Wings.
- The officers shall ensure that the seeds are collected only from the existing TSPAs or those plantations identified and approved by the Chief Conservator of Forests (Working Plan & Research).
- Identify additional Plantations as seed source when existing TSPAs are not able to meet the demand of seeds in a particular year.
- The work to be carried out through Vana Samrakshna Samithies (VSSs) or Eco- Development Committees (EDCs).
- Seed transportation to Seed Centre, testing, grading and distribution of seeds to the Divisions from KFSC.

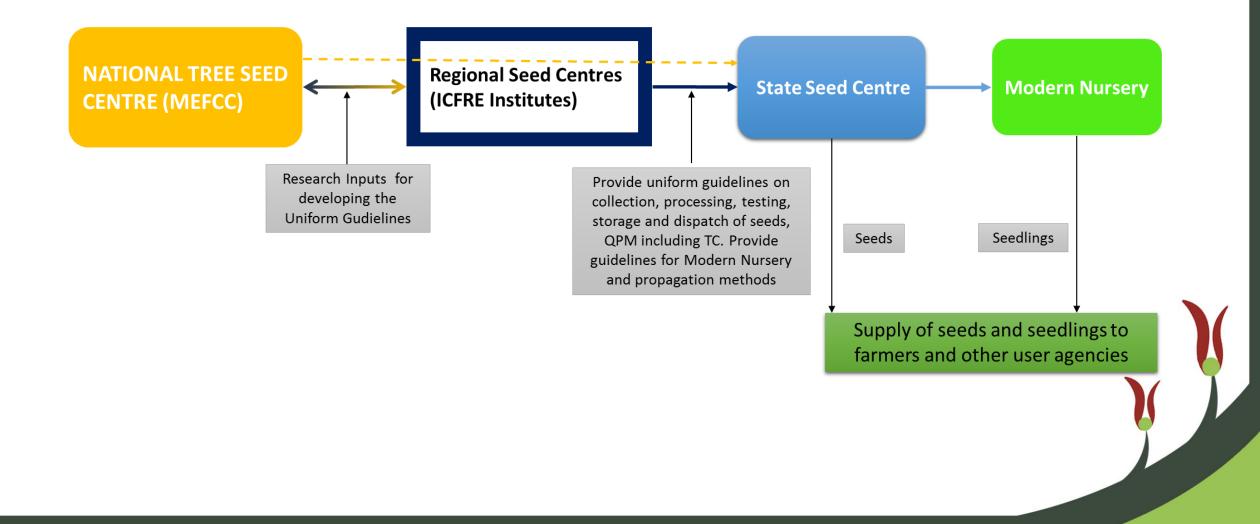
Lessons learnt

- The concept of seed zones and the knowledge on the extent to which seeds can be moved.
- Registering of existing seed sources and evaluating them.
- Using of quality seeds for raising plantations should be made mandatory by planting agencies.
- Creation of an independent Cell for managing seed sources and supply of quality seeds.

Challenges or knowledge gaps

- No exclusive legal framework governing the forest genetic resources.
- Lack of political and scientific awareness of the need.
- The lack of resources, particularly trained manpower.
- The complexity of genetic structure and identification caused by tree breeding and clonal propagation.
- The lack of internationally acceptable system of evaluation and documentation.

Establishment of National Inventory on Seed Sources, National Tree Seed Centre and State Seed Centres





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Thank you.