

APPENDIX - VI

MODALITIES OF WORKING FOR INDO-DANISH PROJECT ON SEED PROCUREMENT AND TREE IMPROVEMENT AS AGREED TO AT NATIONAL LEVEL MEETING HELD ON THE 2^d JUNE, 1978 AT F.R.I., DEHRADUN

A. The Project on Tree Improvement shall collect data on (i) annual seed requirements vis-à-vis plantation targets or different species in different states (ii) Occurrence of species in different states viz. available source of seed collection in the country, along-with phenotypic variation (iii) variations in the number of seed per unit weight, in germination percentage and storability & (iv) work done so far on selection of plus trees, Seed Production areas and raising Seed Orchards.

N.B.: - Information under (i), (ii) and (iii) will help in quantifying the problem while information under (iv) helps in assessing the work done so far.

B. To chalk out the programmes for the future, working groups shall be organized for individual species or group of species occurring in the same regions e.g., Chir, Deodar, Fir, Spruce etc, in Himalayas.

1. The composition of working groups shall be as under:

One member from each state interested in the species plus one member from the project (one of the Team leaders). In addition, the working group may co-opt additional members from Forest Research Institute and Colleges, Dehradun and other organization. One member from the states shall act as Chairman while member from INDO-DANISH Project on Tree Improvement shall serve as secretary to the working group.

2. Terms of reference for the working groups may be as under:

(i) To chalk out programmes quantitatively for selection and creation of Seed Production Areas and their maintenance to meet the country's entire seed demand for raising plantations during the interim period.

(ii) To chalk out programme for species improvement in terms of (a) conducting provenance trials, (b) selection of plus trees and creation of seed orchards (c) conducting progeny trails (d) Creation of gene conservation stands and germ plasm banks with a view to produce enough seeds eventually to meet our entire seed requirement for our plantation programmes.

3. Once the programmes are made, the states and DIPTI shall implement the same to achieve the Fastest Improvement. Different duties shall be allotted to the Forest Departments and the DIPTI on the same pattern as has been done in case of *Pinus roxburghii*, (Kindly see recommendations of the working group on *Pinus roxburghii*)

C. The main objective of the project is to provide seed for forest plantations from selected and registered seed sources. Since seed collection is the function of the State Forest Departments, it is necessary that present practice of getting seed collected through villagers and unskilled labourers without reference to source is discontinued. In other words it is necessary that states create an independent (say a division), which is made responsible for collection of seeds from selected and registered sources. This, in other words means that state should take up seed certification as recommended by N.C.A. 1976.

DIPTI will provide necessary guidelines/help/coordination in selection and registration of seed sources in various states through its centres.

D. DIPTI is helping the states to set up seed testing laboratories to enable the states to test seed samples for evaluating seed lots for their planting value. The information will be useful to the states in getting the maximum number of plants from a given seed lot and thus improve the economics of quality seeds that the states collect for their plantation programmes.