

EXTERNAL PROJECT COMPLETED DURING THE YEAR 2013-14

Project 1: Development of DUS descriptors and variability studies on *Bamboosa balcooa* and *Dendrocalamus hamiltonii*.

Findings: Extensive field surveys were carried out to ascertain the variability of *B. balcooa* and *D. hamiltonii* in different parts of North East India. After demarcation of the selected one and half year old culms from the mother clumps, collected two noded culm cuttings for raising in the nursery and further plantation programme to evaluate the DUS characters. The cuttings were subjected to hormonal (IBA) treatment before raising in the nursery. While raising, all accessions were maintained in the nursery as per the prescribed methodology. In case of *D. hamiltonii*, all the plant materials were collected from the natural forest areas. *B. balcooa* was collected from the home gardens or plantations. The propagules have been planted in the field for the evaluation of DUS characters.