

NEW PROJECTS INITIATED DURING THE YEAR 2008-2009

PLAN PROJECTS

Project 1: Studies on collection, processing, sale and utilization of commercially important medicinal plants & NWFPs and their threat of extinction in tribal pockets of Jharkhand. [IFP-040/EBC-05/2008– 2011]

Status: Literature on collection, sale and marketing of medicinal plants were reviewed in selected districts of Jharkhand. Information was collected on local markets, 'hats', NWFP vendors and traders in the districts and blocks under study. More than 30 vendors involved in the trade were interviewed from Ranchi and Gumla markets. Nearly 70 sample specimens were purchased from local markets and stored.

Project 2: Integrated strategy for evaluation of Indigenous fast-growing multipurpose trees of Eastern India for plantation forestry. [IFP-041/FMS-07/2008– 2013]

Status: 20 Candidate plus trees were identified in Jharkhand and West Bengal. Information gathered on natural growing areas/provenances in Bihar, Jharkhand and West Bengal. Experiments were designed for evolving clonal propagation procedures.

Project 3: Domestication, mass multiplication and popularization of *Moringa oleifera* genotypes with superior leaf nutritive and cytokinin content. [IFP-042/FMS-08/2008– 2012]

Status: Superior seed sources were identified at 5 locations of Jharkhand and 3 locations in West Bengal. 15 Candidate plus trees were marked. Shoot cuttings collected from 10 CPTs in North Bengal, 12 CPTs from Orissa & Jharkhand were planted in beds for clonal multiplication. Experiments were designed for clonal propagation procedures.



Superior seed source of
Moringa

Project 4: Development of Dynamic Database for Forestry Discussion Forum. [IFP-043/CD(IT)-01/2008– 2010]

Status: Literature were surveyed and completed for Forestry Discussion Forum. An outline of the possible forms for various internet pages to be included and the database structure with all possible records and E-R Diagram for inclusion in the Discussion Forum was completed. Identification of all possible records, fields and relationships between entities for inclusion in the discussion forum was completed. The database structure with all possible records and E-R

Diagram to be implemented was finalized. The design and development of the GUI was initiated and was under progress. The programs/codes are being written and processed for information retrieval.

Project 5: Development of low-cost technique of enriched vermicompost for commercial production [IFP-044/SLR-09/2008– 2011]

Status: Production of enriched vermicompost is 8 tonne with the production cost of Rs. 2.00 to Rs. 3.00 per/ kg which is 50-75% less than the market price. The available NPK of enriched vermicompost is 3, 42 and 40 times higher than that of cowdung respectively. Enriched vermicompost and vermin wash increase the yield of potato two and three times than the control respectively.



Testing of vermicompost on vegetable crop

Project 6: Conservation of medicinal plants through commercial cultivation and value addition by Joint Forest Management Committees / panchayats and farmers in eastern Himalaya and its socio-economic impact. [IFP-045/FMS-09/2008– 2012]

Status: Different areas of Darjeeling hill & foot hill were visited for collection of germ plasm and conserved in the seeds garden of an area of 0.5 ha. Seeds were collected from seed garden for production of 107350 nos. QPMs of Sarpagandha, Tulsi, Satamali, Gurmar, latakasturi & Ulatkambal. QPMs were distributed for cultivation to 78248 nos. of JFMC members through State Forest Department & farmers for commercial cultivation on free of cost during the year for cultivation.



Production of QPM s