

## ***Ex-situ* Conservation**

*Ex-situ* conservation dealing with the off-site conservation of the wild genetic resources / genetic diversity. It includes the collection, preservation and maintenance of selected genetic resources from wild. *Ex-situ* conservation of medicinal plants is a complementary action to conserve the genetic diversity, thereby reducing pressure on wild habitats and augmenting raw material availability. For many species of medicinal plants their wild population is on critical level and it is not suitable for dealing *ex-situ* conservation action. It can be serve as field gene banks and also help to engaging the number of stakeholders in production and regeneration of medicinal plants.

### **Objective**

*Ex-situ* conservation of medicinal plants species is a complementary action to conserve the genetic diversity of medicinal plant species, thereby reducing pressure on wild habitats and augmenting raw material availability. For many species wild population shaved windled to critical levels and viable populations of these species are not available for initiating in situ conservation action. *Ex-situ* conservation / plantation of medicinal plants will be a reliable seed source and also serve as field gene banks. This will also help in engaging larger number of stakeholders in production and regeneration of important medicinal plants and aromatic species of medicinal value.

### **Activities**

- For expanding area under medicinal plants and aromatic species of medicinal value. Plantations of medicinal plants would be raised in lands outside designated forests. These plantations may be in blocks, strips, boundaries, marginal lands, agro-forestry models etc., in the countryside as well as urban / periurban locations.
- Such plantations would be raised by organisations having ownership / long term lease of lands and requisite technical competence either in-house or hired/outsourced.

### **Eligibility**

- State Forest Departments/Social Forestry Divisions/State Wild Life Departments.
- Forest Development Corporations/Federations/SMPBs /Integrated Tribal Development Corporations / SC / ST Corporations (in the SC/ST lands)/ Municipal bodies / Housing Societies / PSUs / Voluntary Organisations with experience in the field provided they have the required technical competence.
- Scientific Organizations and AYUSH Institutes and other Government Agencies having the mandate/ capacity and interest in the field of medicinal plants.

- Corporate Sector (including reputed AYUSH manufacturers) in partnership with land owners and Panchayats Van Panchayats / BMCs / JFMCs will be considered for project based support subject to forming an SPV and demonstrating commitment by contributing at least Rs. 5.00 lakh to an initial corpus to be dedicated for this purpose out of which at least Rs. 3.75 lakhs will be contributed by the corporate partner.

## **Norms of assistance**

The cost norms for *ex-situ* plantation of medicinal trees, shrubs, herbs, climbers and perennials is given in **Annexure- I**.

The Corporate Sector (including AYUSH manufacturers of repute) can also be supported for raising *ex-situ* plantations, including as components in boundary plantations, strip plantation, agro forestry, etc., with adoption of GAP & GFCP. For this purpose a Special Purpose Vehicle (SPV) involving the reputed AYUSH manufacturer and Panchayats or land owners will be formed. Rs. 5 Lakh will be provided as initial corpus fund out of which at least 75% will be contributed by the concerned corporate sector. Financial support from NMPB will be considered in project mode and transferred to a separate bank account to be opened in the name of the SPV. Such proposals will be supported in project mode.

## **Submission of Proposals**

The proposal from the State Forest/Wild Life Department will be submitted to NMPB in the relevant proforma as at **Annexure - III**. In case proposal is submitted by Forest Division/Circle, a copy of the same should invariably be marked to PCCF / Chief Wild Life Warden which will help in monitoring the project during its implementation. The proposals by the corporate sector will be submitted to NMPB as well as to SMPB concerned concurrently. The SMPB will render its inputs, if any, within a period of three weeks of receipt of the proposals to the NMPB as well as to the organization concerned, failing which the proposal will be put up for consideration of the PSC / SFC.

## **Project Supported**

National Medicinal Plants Board supported 260 projects to different state forest departments and forest corporation of the country to cover an area of 60561.61 under *in-situ* and *ex-situ* conservation aspects. Some important species are covered *Saraca asoca*, *Commiphora wigtii*, *Pterocarpus marsupium*, *Taxus wallichiana*, *Rauwolfia serpentina* and Dashmool species etc.



**Guggal Plantation at Gujarat**



**Sarpaganda plantation at Chinori, Kanker Forest  
Divison, Chhattisgarh**