## TREE BANKS TRIPURA







Afforestation and Reforestation are the most viable options to revene the looming spectre of unprecedented and rapid climate change being winnessed by the world. In conventional planting method effectiveness of afforestate to Programmers. These are:

- High cost of afforestation in sevene plantations due to requirement for outly plant guards to protect the planted seedlings in conventional methods.

- Enablishment of green belts on degraded lands, mining rehabilitation areas, rocky terrain etc. is an extremely difficult and cortly affair in the conventional method of plantation.

- Poor establishment and growth rates of the planted seedlings in conventional method and of officialities in providing regular maintenance and protection.

- Phor establishment and growth rates of the planted seedlings in conventional method due to difficulties in providing regular maintenance and protection.

- Planted sapidings are highly susceptible to browsing by animals and suppression by weed growth.

- Delay in deletery of ecological services from afforested areas.
Regular and quide afforestation at optimized costs is hence the need of the hours. Successful plantation works for rapid algoritemation of green cover require a high post planting survival rate. This is in turn is significantly dependent on the quality and size of planting utilities and office plantation works. A Tree Bank is like a nunery but with the difference that beet the planta are ended all they reach a much higher length and collar girth. Once the prescribed size parameters are met, and development of green cover, large size plantation part and the eventormental stresses.

and other environmental stresses. To meet the demand of large size planning stock in various projects in Tajuna, "Tree Banks" have been developed by the Tajuna Foests, Department, Tree Banks are propintery of plants of desirated species nicted till they became pole size (12 feet) and also acquiring grads as the seast subject (850) of ollowed Foests. The Goldinate this, plants are not size bears they they for ollowed Foest Foests of the State State (12 feet) and also acquiring grads in the state of the State State (13 feet) of the State (13 feet) of the State State (13 feet) of the State (13 feet) of the State State (13 feet) of the State (13 feet) of the State State (13 feet) of the State State (13 feet) of the State (13 feet) of the State State State (13 feet) of the State State State (1

## **OBJECTIVES**

- ENHANCE GREEN COVER EXPEDITOUSLY.
- REDUCE POST PLANTING MORTALITY OF PLANTS.
- REDUCE COST OF LARGE SIZE HIGH QUALITY PLANTING Stock.

Tipura Forest Department used black colored polythene bags of size 70 cm x 77.5 cm with 500micron gauge for the purpose. Each polybag was filled up with a homogeneous planting soil mix comprising of 3.5 cf of fertile soil, 0.5 cf of well matured farm yard manner, 100 gm of Utres, 50 gm of Single Super Phosphate and 50 gm of Mutane of Potanh. Holes were randomly parched in the poly bags to help aeristion of soil once they are filled up as well as to facilitate the evacuation of excess moisture. Once the poly bag was ready as one year of healthy seeding of desired plant species, grown in 15 km x 23 cm size poly bag, was selected from a vill of the size of the

## OUTCOMES

- DUTCOMES

  Raising trees (min 20 cm collar girth and 4 mt height) in a short period of 2 years, whose plantation requires no plant guard on the foliage is above the browning height.

  Creation of greenbelts over night with 100% survival/establishment rate.

  Effectives and quids epicentation of green belts at very low cost along roadsides, sweme lands and for urban beautification.

  Effective establishment of greenery on degraded lands and mining rehabilitation areas, including in areas with rocky soils.

  Significant reduction in cost of plantations due to avoidance of the cost of the plant guards and fencing.

- Quicker commencement of delivery of ecological services.

