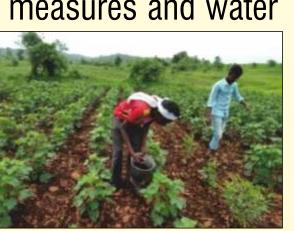
## Soil Health Management for Food Security and Climate Resilience

**Objective:** Soil restoration through integrated management practices to address Climate Change Adaptation and Mitigation and landscape ecosystem restoration for sustainable livelihood



## Practices promoted by BAIF through community participation

- Soil Health and Productivity Improvement: Soil Sample Testing, Integrated Nutrient Management, Green Manuring, Intercropping with Legumes, Crop Rotation and Crop Diversification.
- Carbon Sequestration: Tree-based farming m o d e l has potential to sequester large carbon (23 t Ha<sup>-1</sup>). The perennial system harvests solar energy year round and the biomass produced helps increase soil organic matter content.
- **Emission Reduction:** Biomass recycling through farmer producer company for Bio char and Bio Prom Production and Crop Intensification.
- Biodiversity Conservation: Organic pesticides and fertilisers, conservation of native land races and family nutrition.
- Land Degradation Neutrality: Involvement of community in soil protection through soil conservation and runoff control measures and water management.



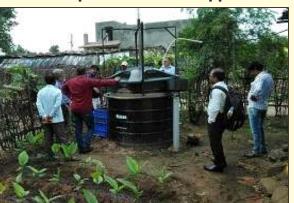
**City compost application** 







**Bio-char production and application** 



**BAIF Bio-prom** 



**Crop diversification** 

## **Outcomes:**

- Increased farm resilience
- Promotes carbon sequestration
- Ensures food security



## **BAIF** Development Research Foundation