



CFI Research Grant Planning Workshop

16-18 June 2026
Jain Hills, Jalgaon



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Date : 16th June 2026

1. Project Snapshot

Project title : Climate - Smart Fruit Farming through Crop Diversification
Institution : ICAR-Indian Institute of Horticultural Research, Bengaluru,
Principal Investigator : Dr. G. Karunakaran
Project duration : 2 years
Budget : 35. 12 lakhs
Project location(s) : Karnataka-Kodagu (Western ghats, Humid Tropical Zone)



2. Landscape, problem statement & target communities



Agroecological context

- ❖ Kodagu: Western Ghats humid tropical zone
- ❖ Rainfall: 2500-3500 mm
- ❖ Coffee-based agroforestry systems
- ❖ Small and marginal farmers (<2 ha holdings)

Key challenges being addressed

- ❖ Erratic rainfall and rising temperatures
- ❖ Increased pest and disease incidence
- ❖ Low fruit species diversity
- ❖ Poor dietary diversity and micronutrient intake
- ❖ Dependence on coffee leading to income instability



Target beneficiaries

- ❖ 200 small and marginal farm households
- ❖ 30-40% women beneficiaries
- ❖ 15-20% SC/ST and tribal households
- ❖ Coffee growers and labour

Project landscape

- ❖ Coffee-based agroforestry systems
- ❖ Integration of diversified fruit species within existing plantations

3. Year-1 Implementation plan

Summarize key activities planned during Year 1, which will Include:



Site establishment

- ❖ Baseline survey and site assessment
- ❖ Selection of 200 beneficiary-suitable fruit diversification models
- ❖ Distribution of 10,000 saplings

Demonstrations sites

- ❖ Multi-tier fruit-based models of on-farm demonstration plots
- ❖ Preparation of training modules and seasonal crop calendar



Capacity building programme planned

Conduct 4 training programmes

- ❖ Orchard management,
- ❖ Soil and water conservation
- ❖ Nutrition awareness campaigns
- ❖ IPM

Target community engagement

- ❖ 30-40% women (SHGs)
- ❖ 15-20% SC/ST & tribal households
- ❖ Labour & vulnerable families
- ❖ Participatory farmer engagement

4. Fruit Species and production models

Key fruit species promoted

- ❖ Avocado, Passion Fruit, Mangosteen, Rambutan, Lime, Karonda, Pineapple, Jackfruit, Indigenous edible wild fruits (e.g., Pale Pannu)

Production systems to be demonstrated (*ex. Homestead orchards, Community orchards, Agroforestry systems, WADI systems, Nutrition gardens, School gardens*)

- ❖ Coffee-based Agroforestry Systems
- ❖ Homestead Orchards
- ❖ Multi-tier Fruit Production Systems
- ❖ Boundary Planting Models
- ❖ Community Demonstration Orchards
- ❖ Nutrition-sensitive Fruit Gardens



5. Year-1 Targets and deliverables :

Key Performance Indicator	Target (Absolute number)
Villages covered	15
Households reached	100
Women beneficiaries	30-40% participation
Youth beneficiaries	20% participation
Trees planted	7500
Fruit species promoted	6-8 species per farm
Trainings planned	4 training programmes



7. Baseline, MEL and Next Steps :

Baseline

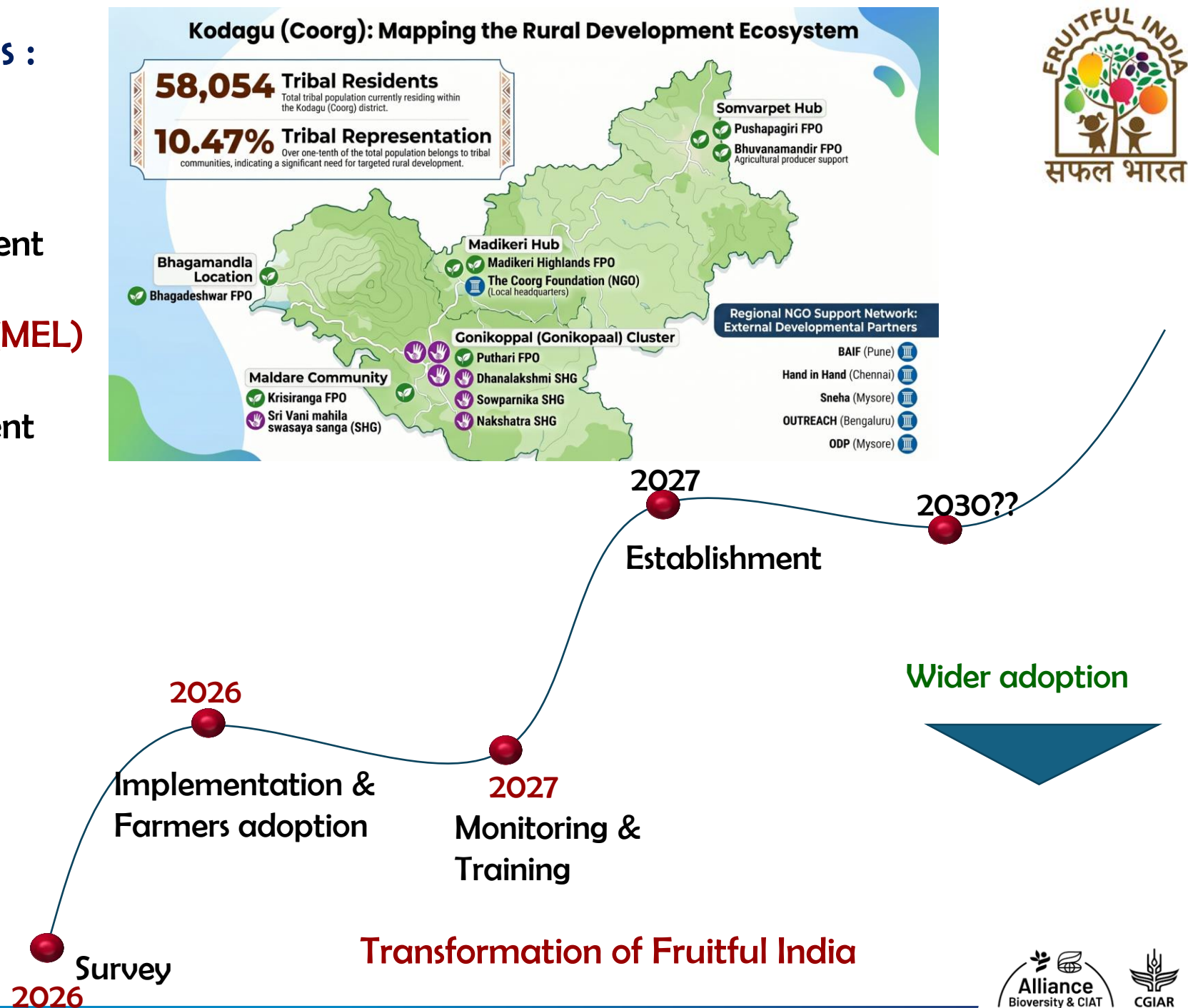
- ❖ Household dietary diversity survey
- ❖ Fruit consumption assessment
- ❖ Farm diversity and income assessment
- ❖ Soil health assessment

Monitoring, Evaluation and Learning (MEL)

- ❖ Quarterly field monitoring
- ❖ Plant survival and growth assessment
- ❖ Training impact evaluation
- ❖ Endline surveys

Next Steps

- ❖ Establish demonstration farms
- ❖ Conduct farmer trainings
- ❖ Nutrition awareness campaigns
- ❖ Documentation of case studies
- ❖ Develop scaling roadmap for Western Ghats regions

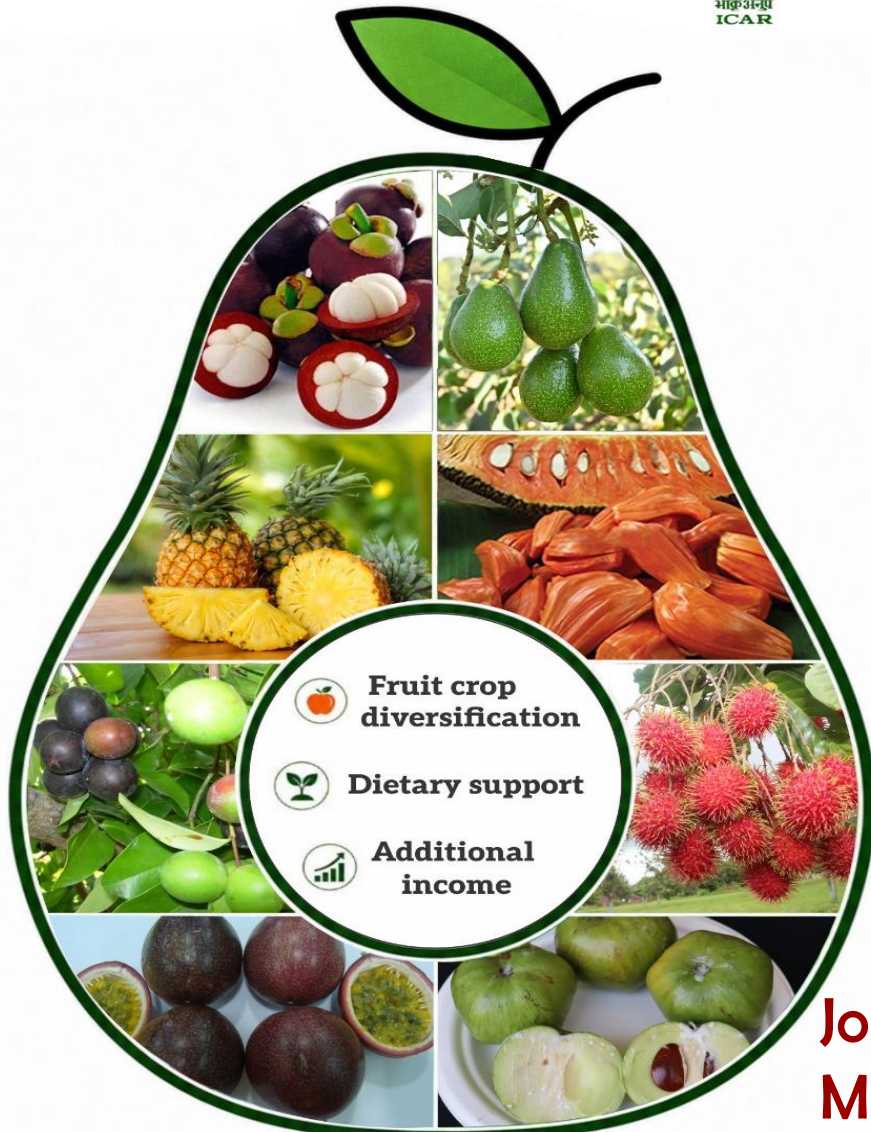


8. Budget summary, risk & mitigation strategy:



Category	Amount in Rs.
Personnel	1080000
Planting material and field trials	1200000
Infrastructure	100000
Capacity Building	475000
Travel	200000
Monitoring & Documentation	175000
Field days	115000
Administration	167250
Total (INR)	35,12,250

Risk Category	Risk	Probability	Mitigation Strategy
Climatic	Erratic rainfall & drought	Medium	Drought-tolerant species, & water conservation
Wildlife	Damage-wild boar, elephants	Medium	Fencing, community vigilance, crop planning
Technical	Survival of plants	Low	Quality saplings, regular monitoring
Farmer Adoption	Participation	Low	Demonstrations, incentives, peer learning
Pest/Disease	Pest outbreaks	Medium	IPM, resistant varieties
Institutional	Delay in inputs	Low	Advance procurement and planning



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Reach Every One.....

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IMPACT



FARMERS
PROSPERITY



NUTRITIONAL
AWARENESS



Shoes in AC room



Thanks