



CORE Support Programme (2008-2018)



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 Kerala-685 531

Specific Purpose and Objectives

The prestigious CORE support programme sanctioned by Department of Science and Technology-DST to Peermade Development Society-PDS aims to identify problems at grass roots level and find solutions through research by 'in house' and adopted technologies from various S&T institutions. Programme focus on four different needs/areas of the society and integration of various technologies for the holistic development through technological interventions. The CORE support through PDS benefitted more than 10,000 beneficiaries in 3 civil districts of Kerala and the technologies are disseminated in other districts and neighboring states through NGO network and farmer's organizations.

We could develop 43 user friendly technologies in farming sector and non-farming sector for drudgery reduction, yield enhancement, rejuvenation of farming, climate change mitigation, adaptation and enterprise development. Thrust areas are organic farming, underutilized crops cultivation, multilayer farming, various techno-based enterprises development, novel methods in planting material production, technologies for reducing drudgery.

The CORE support programme contributed to transform PDS from community development to scientific research institution through networking with reputed scientific, technological and financial institutions which have been recognized by national and international agencies such as DSIR, BGCI etc. From the experience and expertise in scientific programmes and community development activities we started a consultancy programme, 'PDS ConServe.'

Recognitions of PDS through CORE support Programme

- SIRO – DSIR
- i-STED - NSTEDB
- IARI – VO linkage Programme
- DASD – ToT Scheme
- RuTAG – IIT Madras
- NIF – Rural Innovations
- BGCI – Conservation of RET plant species

Beneficiaries of the programme

- Small and marginal farmers
- Women
- Tribals
- Rural innovators
- Entrepreneurs
- JLG & SHG members

Areas of Operations

10 civil districts of Kerala and parts of Tamilnadu, Karnataka and Andhra Pradesh

Dissemination strategies

Technologies are disseminated through NGO networking and various projects supported by national and international agencies.

Facilities created through CORE support Programme

- Soil testing laboratory
- Water analysis laboratory
- Polyhouses for quality planting material production.
- Inputs for mass multiplication of bio control agents.
- Grassroots Innovation Incubation Centre.
- PDS consultancy service (PDS ConServ)
- CORE workshop – Design and development of farm implements/tools.

Partners for technology dissemination

DST, i-STED Programme (NSTEDB), SIRO, BGCI, DBT, NABARD, SMPB, KKS, IARI, KSCSTE, EDII, RUTAG, UNDP, DASD, SHM

Technologies Developed through CORE Support Programme	
CORE Area-1. Tribal Development	CORE Area-2. Enterprise Development
FPO at Kannampady	Herbal mosquito repellent unit
Farm mechanization	Vetiver bag production unit
Popularization of underutilized crops.	Micro hatchery units
Introduction of improved varieties of spices.	Back yard poultry farming in cages.
Broom making units	Post harvesting processing units (Spices processing units, Arrow root grinding units, Pepper thresher, Nutmeg decorticator)
Quality planting material production units for coffee and pepper	
Introduction of stress tolerant varieties	Nurseries of farmer innovated varieties
Organic certification	Entrepreneur's Development Programme
Technologies for improving productivity	Mushroom production units using improved technologies
	Food processing units
CORE area 3. Agriculture	CORE area 4. Engineering
Underutilized crops cultivation	Mosquito coil making machine
Multi storeyed farming in rubber plantations	Pepper harvesting tool
Decapitation for High Density Planting in banana	Spreading tool for plantation crops
Introduced bio agents to promote organic farming	Coffee harvesting basket
Intra-specific grafting technology in coffee	Semi automatic polyhouse roof washer.
Seed propagation in black pepper	Nutmeg decorticator
Lateral bud initiation in black pepper	Cardamom polishing machine
Somatic embryogenesis in black pepper.	Cardamom washing machine
Shoot tip culture in Vanilla.	Energy efficient chula
Decapitation technology for the production of explants in tissue culture.	Arrowroot grinding machine
New cultivation practices for mitigating drought in black pepper.	Combing tool for broom making
Rejuvenation technologies in black pepper	Tribrid machine for cardamom processing
Introduction of improved varieties of ginger, turmeric and black pepper	Hybrid machine for threshing pepper and polishing cardamom.
Improved methods of planting material production.	Modification of silpaulin tanks.
	Trolleys for steep areas

