

Annamalai University

Title of Sub-project : **Farming systems for livelihood security of small and marginal farmers in disadvantaged districts of Tamil Nadu.**

Project Code : **NAIP (SRLS) III – 36 / 2006**

Name of Consortium Leader : **Dr. M. Ramanathan**
 Vice- Chancellor
 Annamalai University
 Annamalainagar – 608 002
 Telephone: 04144 – 238283
 Telefax : 04144 – 238925 / 238080
 e-mail : auvc_mr@hotmail.com

Name of the Consortium Partners

S. No.	Consortia Partners	Name of the CPI/Co-PIs	Designation	Full address with Phone, Fax E-mail
1.	Annamalai University	Dr. Rm.Kathiresan CPI	Professor (Agronomy)	Department of Agronomy Faculty of Agriculture Annamalai University Annamalainagar – 608 002 Tamil Nadu. +04144-239816 (Office) +04144-239816 (Telefax) +09443292738 (Mobile) (E.mail): rm.kathiresan@sify.com
2.	DHAN Foundation	Mr.R.Adhinarayanan Co-PI	Team Leader	Dhan Foundation, No-18, Pillayar Koil Street, S.S. Colony, Arasaradi, Madurai-10 Ph:0452-26110784, 2610805, Fax:0452-2602247 Email : dhan@md3.vsnl.net.in aadhinarayanan@gmail.com
3.	Vedapuri KVK -	Dr. S.Thiruvarasan Co-PI	Subject Matter Specialist	Vedapuri KVK, Kilnelli Village, Chithathoor Post, Cheyyar (TK), Thiruvannamalai Dt Ph: 09843638010, Fax: 044-24360234, Email: vedapurikvk@hotmail.com
4.	BMT – KVK	Mr.Y.Raja Joslin Co-PI	Subject Matter Specialist	BMT KVK , Sengipatti, Manayeripatti, Tamil Nadu Ph:-04362-221474, 09443971034, Fax:04362-221574, Email: bmtkvk@gmail.com

Objectives:

- Up scaling Farming System models through on farm research for adoption under wetland, upland and shore farming conditions in disadvantaged districts of Tamilnadu.
- Productivity enhancement in predominant crops of these districts through technologies like IPM, INM and mechanized cultivation.
- Imparting training for processing and value addition in the farm produces.
- Restoring the pristine status of water resources in these districts through integrated bio-control of aquatic weeds and conserving soil health through optimized agro input use.

Goal : Adoption of integrated farming systems compared to monoculture, improved livelihood standards, dietary standards, conserving soil and water resources and reduced migration of labour to urban centres, in the disadvantaged districts of Tamilnadu.

Duration : 4 years (2008 - 2012)

Budget Outlay : **Rs. 732.32 lakh**

Operational Area : Cuddalore, Nagapattinam, Villupuram, Thiruvannamalai
Clusters – 12, Villages – 37, No. of Families - 2400

Overall Work Programme:

1. Upscaling and dissemination of technology for adoption of integrated rice + fish + poultry farming system for wetland clusters.
2. Upscaling and dissemination of technology for integrated goat+millet/ vegetable/ floriculture farming system for upland clusters.
3. Upscaling and dissemination of technology for sea weed culture for coastal aqua farming clusters.
4. Productivity enhancement in component crops through INM and IPM.
5. Value addition in crop produces.
6. Integrated management of aquatic weeds & optimized agro input use.
7. Training landless labourers for mushroom production/vermicomposting.

Deliverables/ Impact/Outcome

Outcome / Impact	Deliverable
Increased adoption of integrated farming systems by 20 per cent compared to rice monoculture	i) Higher crop yield per unit area by 10-15 per cent
	ii) Higher broiler meat yield by 20 per cent
	iii) Higher fish yield by 20 per cent
	iv) Higher goat meat yield by 20 per cent
Improved soil health and productivity by 5 per cent	i) Higher soil organic matter by 1 per cent
Reduced Aquatic Weed infestation in water bodies by 60 per cent	i) Lesser density of floating weeds and IVI by 60 percent
	ii) Higher DO and BOD of water by 20 per cent
Increased revenue generation per household per year by 40 per cent	i) Higher net return per ha of holding by 25 per cent
	ii) Higher income per month per household by 20 per cent
Additional /Alternative employment generation / household / year	i) Higher labour involvement per hectare in man days by 20 per cent
Reduced migration of labour to urban centers	i) Higher labour availability per ha per year in man days.
Increased dietary standards	i) Higher Protein /fibre per capita consumption by 10 per cent