

Krishi Vigyan Kendra Cuddalore

Action Plan 2015-16



Tamil Nadu Agricultural University
ICAR-Krishi Vigyan Kendra
Vriddhachalam, Cuddalore District
Tamil Nadu, India



TAMIL NADU AGRICULTURAL UNIVERSITY

KRISHI VIGYAN KENDRA –CUDDALORE DISTRICT- TAMIL NADU

ACTION PLAN 2015-16

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra Tamil Nadu Agricultural University Vriddhachalam – 606 001 Cuddalore District, Tamil Nadu Phone No. : 04143-238353 Tele fax No. : 04143-238353 E-mail : kvkvri@tnau.ac.in kvkvri@yahoo.com Web address : http://tnau.ac.in
1.2	Name and address of host organization	:	Tamil Nadu Agricultural University Coimbatore - 641 003 Grams : FARMVAR Telex No. : 855-360-TNAU.IN Fax No. : 091-0422-2431672 Phone No. : 0422-2431222 E-mail : vc@tnau.ac.in registrar@tnau.ac.in
1.3	Year of sanction	:	1985
1.4	Website address of KVK and date of last update	:	www.kvkcuddalore.com 10.12.2014

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.1	Programme Coordinator	Dr.R.Arunachalam	Agri. Extension	37400-67000 (PB1)	10000	04.12.12	Permanent
2.2	Subject Matter Specialist	Dr.S.Kannan	Home Science	15600-39100 (PB1)	8000	06.08.09	Permanent
2.3	Subject Matter Specialist	Dr. T.Saravanan	Plant Pathology	15600-39100 (PB1)	7000	16.03.13	Permanent
2.4	Subject Matter Specialist	Dr. M. Malarkodi	SS and AC	15600-39100 (PB1)	7000	19.04.13	Permanent
2.5	Subject Matter Specialist	Dr.V.Vijaya geetha	Seed Technology	15600-39100 (PB1)	7000	01.08.10	Permanent
2.6	Subject Matter Specialist	Dr. K.Venkatalakshmi	Agronomy	15600-39100 (PB1)	7000	22.04.13	Permanent
2.7	Subject Matter Specialist	Vacant	-	-	-	-	-
2.8	Programme Assistant	Mrs.G.Meenalakshmi	M.Sc (E.S)	9300-34800 (PB2)	4400	28.02.11	Permanent
2.9	Computer Programmer	Mr.R.Samundeeswaran	M.C.A	9300-34800 (PB2)	4400	15.11.12	Permanent
2.10	Farm Manager	Mr.R.Rajeshkannan	M.Sc (Horti)	9300-34800 (PB2)	4400	13.08.10	Permanent
2.11	Accountant/Superintendent	Th. P. Mohandas	B.Sc (Zoo)	9300-34800 (PB2)	4800	14.09.09	Permanent
2.12	Stenographer	Mrs. T. Suganthi Rani	-	5200-20200 (PB2)	4800	01.12.08	Permanent
2.13	Driver 1	Th. C. Jayabal	-	9300-34800 (PB2)	4400	28.11.86	Permanent
2.14	Driver 2	Th.S.Arul	-	3200-20200 (PB4)	2400	21.02.07	Permanent
2.15	Supporting staff 1	Th. A.Deivasigamani	+2	4800-10000 (PB4)	1300	08.08.11	Permanent
2.16	Supporting staff 2	Th. P. Narayanasamy	10 th	4800-10000 (PB4)	1300	01.07.11	Permanent

3. Details of SAC meeting conducted during 2014-15

Sl.No	Date of SAC	Recommendation	Status of Action Taken in brief
1	5.9.2014	More number of interventions on the major crops like groundnut, rice and cashew.	In rice, OFTs on Assessment of varieties for samba paddy, assessment of suitable submergence tolerance paddy variety for Cuddalore district, Demonstration and farmers participatory seed production of paddy variety CO 51 for Cuddalore district, Demonstration of paddy variety MDU 6 for Kuruvai season in Cuddalore district and Demonstration of bio management strategies for pest and disease in samba paddy are being taken during 2015-16. FLD on Demonstration of paired row planting method in rain fed ground nut, Demonstration and farmers participatory seed production of groundnut variety VRI 6 of Cuddalore district, Demonstration of CO7 Groundnut under rain fed areas, Demonstration of TNAU MN mixture for Groundnut are also being taken up during 2015-16.
2		Ragi cultivation under SRI method.	This will be taken up with appropriate crop season.
3		To get green gram and red gram (BSR 1 variety) seeds from TNAU, Coimbatore and cultivate as border crop.	Action is being initiated and results will be reported soon.
4		Turmeric growers federation in Cuddalore district.	During 2014-15, a FLD on Demonstration of IDM for rhizome rot in turmeric is being taken up at Mangalore and Nallur blocks of Cuddalore where turmeric is cultivated in considerable area. Action is being initiated to form turmeric growers federation.
5		To conduct demonstrations on the machineries like groundnut harvester and stripper.	Action is being taken up to conduct the demonstration in association with Department of agriculture in the ensuing crop season.
6		Spreading type groundnut as a drought tolerant variety in the trial.	A FLD on Demonstration of CO7 groundnut under rain fed areas is being taken up during 2015-16 and the trial will be conducted in the Aladi, Muthandikuappam, M. Patty, Chinnavadavadi, Vijayamanagaram and Nallur areas in the Cuddalore district.
7		Demonstration on brinjal cultivation with brinjal grafts produced in HC&RI, TNAU, Coimbatore	At present, we have taken up an OFT on assessment of suitable brinjal hybrid in Cuddalore district. Action is being initiated to demonstrate the brinjal cultivation using brinjal grafts.
8		Interventions on human nutrition especially with moringa, as the most of the women are deficient in iron.	In the home science trainings, importance given to educate the women on use of nutrient rice vegetables.
9		To consider major crops, crop based enterprises and major technologies during the interface meeting to be conducted in	We have conducted an interface meeting with extension functionaries of animal husbandry department and fisheries department on 24.2.2015 Similarly an interface meeting with farmers and extension functionaries of Mangalore, Nallur and Vridhachalam blocks was conducted on 17.3.2015. The outcome of such meetings

		near future at this KVK	are given priorities in trainings /OFTs/FLDs and other extension functions.
10		To conduct possible OFTs and FLDs in KVK campus itself	The following OFT/FLD programmes have been initiated in this KVK during 2014-15. <ul style="list-style-type: none"> • Demonstration and farmers participatory seed production of paddy variety ANNA 4 for rainfed areas of Cuddalore district • Demonstration of Nandanam Turkey -II for backyard poultry
11		Interaction meeting with scientists, extension functionaries and farmers for identification of agricultural needs and issues of Cuddalore district to be organized at this KVK in near future	The KVK, Vridhachalam organized interaction meeting with scientists, extension functionaries and farmers on 10.2.15 for identification of agricultural needs and issues of Cuddalore district. In the meeting, 25 farmers from Cuddalore district and Joint Director of Agriculture and Deputy Director of Agriculture and ADA of various blocks were attended in the meeting. Based on the interaction meeting, the action plan for the year 2015-16 was formed by the KVK, Vridhachalam. We have conducted an interface meeting with extension functionaries of animal husbandry department and fisheries department on 24.2.2015. Similarly an interface meeting with farmers and extension functionaries of Mangalore, Nallur and Vridhachalam blocks on 17.3.2015 was conducted. The outcome of such meetings are given priorities in trainings /OFTs/FLDs and other extension functions.
12		To give more training on high density planting in cashew to the farmers of this district	At KVK, Vridhachalam, a training on cashew grafting and cultivation was conducted to 65 farmers on 6.1.15. High density method of planting was demonstrated to the trainees.
13		To form vegetable commodity group	A meeting on vegetable growers from Kattumannarkoil block was convened on 15.12.14 at KVK, Vridhachalam. The KVK insisted the vegetable growers to form a federation for higher income and market price from vegetables. Based on the intervention, Cuddalore district vegetables and flower crop growers association was formed and registered in the societies act.
14		Training on weed management techniques in direct seeded paddy crop	A weed management training was conducted at this KVK on 15.10.2014 at this KVK.
15		Information on marketing avenues for medicinal plants	Action is being initiated to publish a book on medicinal plants suitable to Cuddalore district and marketing avenues.
16		To promote laser leveler for leveling the fields.	At present, we have one laser land leveler which is being used regularly for local demonstration and training purpose. The needy farmers are also given on rental basis as governed by TNAU norms.
17		To provide advanced training on value addition and products packaging methods.	The trainings on value addition in Amla and Banana on 29.4.2014 and Value addition in Mango on 6.6.2014, Value addition in cashew apple and its marketing techniques on 13.8.2014 and Value addition in small millets on 14.11.2014 were conducted at KVK, Vridhachalam for farmers, rural woman and unemployed youth. In the training, advanced method of value addition and products packaging was demonstrated to the trainees.

18		To provide training on cashew apple and jack fruit	Such trainings were organized on 9.12.2014 (vocational training) and 16.12.2014 (off campus training).
19		To establish cashew processing unit in the KVK for the benefit of the Cuddalore district Cashew growers	Action is being initiated in this regard.

Tentative date of SAC meeting proposed during 2015-16: June, 2015

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2015-16

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	IPM in paddy and vegetables	National Bureau of Plant health management, Hyderabad	To update knowledge on integrated management of pest and diseases in paddy and vegetables
4.1.2	Plant health management techniques	National Bureau of Plant health management, Hyderabad	To update the information on newer management technologies for plant diseases
4.1.3	Recent trends on soil health management	NSS and LUP, Nagpur	To update knowledge in soil health management
4.1.4	Vegetables Seed production including hybrid seed production, processing & marketing	NSRTC, Varanasi	Promoting hybrid seed production in cuddalore district
4.1.5.	Micro irrigation in crop cultivation	TNAU, Coimbatore	Up scaling of knowledge on recent development in micro irrigation techniques
4.1.6.	Post harvest technologies in vegetables and fruits	CFTRI, Mysore , Karnataka	To update the knowledge on Post harvest in vegetables and fruits
4.1.7	Recent trends in vegetable seed production	TNAU, Coimbatore	To upscale latest information on vegetable seed production

4.2. Cross-learning across KVKs during 2015-16

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring KVK, Tiruvarur KVK, Villupuram KVK, Puducherry	KVK activities and seed production Value addition in mushroom Bio agents production in insect and microbes
4.2.2	Within the zone KVK, Madurai KVK, Kattupakkam KVK, Aruppukottai	Bee keeping, honey based amla products To learn about the recent

		developments in animal husbandry related activities and to get advanced breeds in poultry and livestock Technology transformation in rainfed agriculture
4.2.3	Outside zone KVK, Pattanamthitta	To know about value addition, produce development linkage

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2015-16

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVKs of Vrinjipuram, Villupuram and salem	<ul style="list-style-type: none"> • Issues and technologies related with oil seed crops viz., groundnut and gingelly 	<ul style="list-style-type: none"> • Issues and technologies related with minor millets production and status
5.2	KVKs of Namakkal, Kattupakkam,	<ul style="list-style-type: none"> • Trainings for rural youth regarding prevention of pest and disease attack in milch animals and poultry birds • Issues related to recent disease in cows and chicks 	<ul style="list-style-type: none"> • Animal husbandry related aspects like area specific mineral mixture, GRAND supplements and newly released breeds in birds and animals • Value addition in milk and fish

6. Operational areas details proposed during 2015-16

S.No	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	Paddy	Non availability of suitable varieties for flood prone area Crop failure or heavy yield reduction due to water logging situation	17828 ha.	B.Muttalur, Kothattai, Parangipettai, Chinnakumati, Periyakumatti	OFT on Assessment of Suitable submergence tolerance paddy variety for Cuddalore district
		Unjudicious application of water lead to wastage of water . Lack of suitable technology for AWD irrigation method	15000 ha	Ambujavallipettai, Veeranallur, Sriputtur, Srineduncheri	OFT on Assessment of water saving techniques in paddy
		Samba paddy is frequently affected by Pest and disease Existing variety is more vulnerable to pest and disease	25600 ha	Melpulinkudi, M. Patty, Thatchukadu, Meeralur	OFT on Assessment of varieties for samba paddy
		Yield loss due to pest and diseases Lack of awareness about the egg parasites for management of leaf folder and stem borer Huge chemicals used for control of the pest and disease	25600 ha	Anukkampattu, Varadharajanpettai B. Kumaramangalam, Arasakuli	FLD on Demonstration of IPM for Pest and disease in samba paddy
		Lack of awareness about the promising quality rice variety for Kuruvai season	19000 ha	Cuddalore and Annagramam blocks	FLD on Demonstration and farmers participatory seed production of paddy variety CO 51 of Cuddalore district
		Lack of knowledge about short duration long slender variety	20000 ha	Cuddalore Parangipettai Annagramam	FLD on Demonstration of paddy variety MDU 6 for Kuruvai season in Cuddalore district

6.2	Sorghum	Incidence of smut and grain mould, Poor grain yield	798 ha both kharif and rabi season	Karupanchavadi, Kullanchavadi, Anukkampattu	OFT on Assessment of sorghum varieties for Cuddalore district
6.3	Maize	Lower productivity due to unbalanced and indiscriminate usage of fertilizers	13347 ha	Katchimailur, Ma. Pudhur, Melur	OFT on Assessment of nutrised pack technology in maize
6.4	Blackgram	Lack awareness about newly released high yielding varieties in blackgram	55000 ha	Cuddalore, Annagramam, kullanchavadi, kurinjipadi blocks of Cuddalore district	FLD on Demonstration of Blackgram MDU 1
6.5	Groundnut	Lack of awareness about newly released high yielding varieties	14000 ha	Vriddhachalam Kuppanatham, Pudukurai pettai, Visur & Sathamangalam	FLD on Demonstration and farmers participatory seed production of groundnut variety VRI 6 of Cuddalore district
		Poor plant population is maintained under rainfed areas- Yield reduction. Inadequate moisture conservation –yield loss	13,249 ha of land is under the cultivation of ground nut	Kuppanatham, Pudukurai pettai, Visur & Sathamangalam	FLD on Demonstration of paried planting in rain fed ground nut
		Moisture stress lead to reduction in yield loss up to 40 % under rain fed condition Non availability of drought tolerant varieties	13,249 ha of land is under the cultivation of ground nut	Aladi, Muthandikuappam, M. Patty	FLD on Demonstration of CO7 Ground nut under rain fed areas
6.6	Groundnut and gingelly	Micronutrient deficiencies leads to lower yield in oil seed crops	Groundnut - 9698 ha Gingelly – 3051 ha	Agaram, Anukkampattu, Kalkunam, Renganathapauram, Aladi, M. Parur	FLD on Demonstration of TNAU MN mixture in ground nut and gingelly
6.7	Sugarcane	Unhealthy seedlings due to nutrient deficiency High mortality rate, yield reduction	38400 ha	Vijayamanagaram, Aladi, M. patty, Chinnavadavadi	FLD on Demonstration of enriched coco pith as a medium for portray in Sugarcane seedling

6.8	Brinjal	Yield loss from shoot and fruit borer Indiscriminate use of chemicals for control of the borer Lack of awareness about the use of bio management strategies	850 ha	Periyakottumalai, Ottimedu, Pavalankudi, Keeranur, Kavanur	FLD on Demonstration of IPM in for shoot and fruit borer in brinjal
6.9	Cluster bean	Lack of awareness about high yielding new variety	Total vegetables – 3996 ha	Gunamangalam, Kottumalai, Melpattampackam	FLD on Demonstration of new Cluster bean variety MDU 1
6.10	Vegetables	Poor nutritional status of family Increase the cost of vegetables Lack of utilization of unused water. Lack of knowledge in multi nutritive value of vegetables and greens	3953 ha (all vegetables)	O Mangalam, Manavalanallur, Kompadikuppam, Athanur	FLD on Demonstration of Nutri- herbo Garden
6.11	Watermelon	Lack of awareness about the fertilization and plant protection measures Yield loss due to pest and diseases	255 ha	Kothattai, Periyakumatti, Chinnakumatti	FLD on Demonstration of ICM in water melon
6.12	Banana	Poor bunch quality fetches lower price in market	4133 ha	Aaladi, Vadavadi, Vazhisothanaipalayam	FLD on Demonstration of IHR bunch nutrition
6.13	Varagu	Poor yield and Lack of knowledge in value addition	--	Aladi, Palayapattinam, Veerareddikuppam, Palakollai	FLD on Demonstration of varagu CO 3 for preparation of ready mix
6.14	Fodder crops	Low yield of milk Low availability of fodder		Sathiyavadi, Sathukudal, V. kumaramangalam	FLD on Demonstration of fodder bank for livestock

* Support with problem-cause and interventions diagram

7. Technology Assessment during 2015-16

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members	
7.1	Paddy	Yield loss from leaf folder, stem borer, sheath blight and blast in samba paddy	Assessment of varieties for samba paddy	1. Local variety: BPT 5204	Bapatla, 1986	--	--	--	12 (5 ha)	12000	No. of tillers per hill, Grain yield, BC ratio, incidence of leaf folder, stem borer and blast	Dr. T. Saravanan, SMS (Plant Pathology) and Dr. M. malarkodi, SMS (SS and AC)	
				2. TKM 13	TNAU, 2015	TKM 13 seeds	8 kg/0.5 ac	500					
				3. Co 50	TNAU, 2011	Co 50 seeds	8 kg/0.5 ac	500					
						Field board	1	100					
						Testing of soil sample	1	25					
7.2	Paddy	Excessive use of irrigation water Suitable technologies for adopting AWD is not available.	Assessment of water saving technologies in paddy	1. Farmer's practice	--								
				2. Cyclic submergence	TNAU, CPG 2012								
				3. AWD - pani pipe technique	IRRI, Philippines (2014)	Plastic pipes-40cm height & labour charges	1/acre	500	10 (2.5 ha)	5000	Yield (kg/ha), total no.of irrigations, quantity of water supplied/irrigation, water saving in AWD	Dr. K. Venkatalakshmi, SMS (agronomy) Dr.V.Vijaya Geetha, SMS (Seed Technology)	
						Field board	1/trial	100					

7.3	Paddy	Non availability of submergence tolerance variety	Assessment of Suitable submergence tolerance paddy variety for Cuddalore district	1.FP: CR1009	TNAU	-	-	-	12 (5 ha)	12000	No. of tillers per hill, 1000 seed weight (g), Seedyield, BC ratio	Dr.V.Vijaya Geetha, SMS (Seed Technology) Dr. T. Saravanan, SMS (Plant Pathology)
				2. CR1009 Sub1	TNAU 2015	CR1009 Sub1	6 kg /0.5 ac	500				
				3. Swarna Sub 1	CRRI, 2009	Swarna sub 1 seeds	6 kg /0.5 ac	500				
						Field board	1	100				
						Testing of soil sample	1	25				
7.4	Sorghum	Incidence of smut and grain mould, Poor grain yield	Assessment of sorghum varieties for Cuddalore district	1. Local variety	-	-	-	-	5	27250	Disease incidence Yield (t/ha) B:C ratio Baking time Volume weight Consumer acceptance Appearance Colour, crispiness and taste	Dr. S. Kannan, SMS (FSN) and Dr. T. Saravanan, SMS (Plant Pathology)
				2. Variety Co30	TNAU, 2009	Sorghum seeds Co 30	3 Kg /0.5 ac	150				
				3. Variety DSV 6	UAS, Dharwad 2008	Sorghum seeds DSV 6	3 Kg/0.5 ac	150				
				4. Variety K 12	TNAU, 2015	Sorghum seeds K12	3 kg/0.5 ac	150				
						Backing oven	1	25000				
						Field board	1	100				
						Testing of soil sample	1	25				

7.5	Maize	Lower productivity due to unbalanced and indiscriminate usage of fertilizers	Assessment of nutriseed pack technology in maize	1. Farmers' Practice	--	--	--	13000/-	5 (2 ha)	65000/-	<ul style="list-style-type: none"> • Grain yield • Cob length • No. of grains/cob • BC ratio 	Dr. M.Malarkodi, SMS (SS&AC) Dr. V. Vijayageetha SMS (SST)
				2. Application of recommended fertilizers (250:75:75 kg/ha) by surface soil application	TNAU (CPG 2012)	Maize Co 6 seeds	4 kg/ 0.5 ac					
						Urea SSP MOP	110 kg/0.5 ac 100 kg/0.5 ac 25 kg kg/0.5 ac					
				3. Nutri seed pack technique	TNAU (2014)	Nutriseed pack	11000 packs					
						Field board	1					
		Testing of soil sample	1									

8. Technology Refinement during 2015-16– Nil

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
8.1	NIL											

9. Frontline Demonstrations during 2015-16

S. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
1	Cereals	Paddy	Lack of knowledge about short duration long slender rice variety	FLD on Demonstration of paddy variety MDU 6 for Kuruvai season in Cuddalore district	Variety	MDU 6	TNAU 2015	MDU 6 seed Field board Testing of soil sample	24 kg 1 1	1200	20 (8 ha)	24000	Growth and yield parameters and BCR	Dr. V. Vijayageetha SMS (SST) Dr. K. Venkatalakshmi SMS (Agronomy)
2		Paddy	Yield loss due to pest and diseases Lack of awareness about the egg parasites for management of leaf folder and stem borer Huge chemicals used for control of the pest and disease	Demonstration of IPM for Pest and disease in samba paddy	--	--	TNAU (2013)	<i>Trichogramma japonicum</i> (for stem borer) @ 2 cc/ac <i>Trichogramma chilonis</i> (for leaf folder) @ 2 cc/ac <i>Pseudomonas fluorescens</i> @2.5 kg/ha Pheromone trap Field board Testing for soil sample	6 cc 6 cc 2 kg 5 1 1	1200	20 (8 ha)	20000	Yield (kg/ha) Pest and disease incidence B:C ratio	Dr. T. Saravanan, SMS (PP), Dr. M.Malarkodi, SMS (SS&AC)
3		Paddy	Non availability of quality seeds for further multiplication	Demonstration and farmers participatory seed production of paddy variety CO 51 of	variety	CO 51	TNAU 2013	Co 51 Seed Field board Testing of soil sample	24 kg 1 1	1200	20 (8 ha)	24000	No.of tillers/m ² , No.of panicles/plant, 1000 seed weight (g) and seed yield	Dr. V. VijayaGeetha SMS (SST) Dr. T. Saravanan, SMS (Plant Pathology)

				Cuddalore district									(kg/ha), and B:C ratio	
4	Pulses	Blackgram	Average yield of existing varieties (V BN 3,4, T9) are low, more prone to YMV	Demonstration of Blackgram MDU 1 and its value addition	Variety	MDU1	TNAU 2014	MDU 1 Seed	8 kg/acre	1100	12 (5 ha)	13200	Growth and yield parameters, BCR, batter quality, idly quality	Dr. V. VijayaGeetha SMS (SST) Dr. T. Saravanan, SMS (Plant Pathology)
								Field board	1					
								Testing of soil sample	1					
5	Vegetables	Brinjal	Yield loss from shoot and fruit borer Indiscriminate use of chemicals for control of the borer Lack of awareness about the use of bio management strategies	Demonstration of IPM in for shoot and fruit borer in brinjal	--	--	TNAU (2013)	<i>T. viride</i> <i>P. fluorescens</i>	0.25 kg 0.25 kg	400	25 (5 ha)	12500	Fruit yield (Kg/ha), % incidence of fruit borer	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
								<i>Trichogramma chilonis</i> @ 3.00 cc/ha	1 cc					
								Pheromone trap	3					
								Yellow sticky trap	5					
								<i>Bacillus thuringiensis</i>	150g					
								Field board	1					
								Testing of soil sample	1					
6	Fruits	Watermelon	Lack of awareness about the fertilization and plant protection measures Yield loss due to pest and diseases	Demonstration of ICM in water melon	--	--	TNAU (2013)	<i>Azospirillum</i> <i>Phosphobacteria</i> <i>P. fluorescens</i>	1 kg 1kg 1 kg	500	25 (5 ha)	12500	Fruit yield (kg/ha)	Dr. T. Saravanan, SMS (Plant Pathology) Dr. S. Kannan, SMS (FSN)
								Etherel	25 ml					
								Field board	1					
								Testing of soil sample	1					

		Banana	Poor bunch quality fetches lower price in market	Demonstration of IIHR bunch nutrition in banana	Variety	--	IIHR, (2013)	Ammonium sulphate SOP Poly bag Field board	14 kg 13 kg 0.5 kg 1	500/-	12 (5 ha)	6000/-	<ul style="list-style-type: none"> Yield Bunch weight No. of fruits/bunch BC ratio 	Dr. M. Malarkodi, SMS (SS&AC) Dr. T. Saravanan SMS (PP)
7	Oil seeds	Ground nut	Micronutrient deficiencies leads to lower yield in oil seed crops	Demonstration of TNAU MN mixture in ground nut and gingelly	Variety	VRI 2	TNAU (2010)	TNAU Ground nut MN mixture (irrigated) Field board Testing of soil sample	5 kg 1 1	300	25 (10 ha)	7500	<ul style="list-style-type: none"> Yield No. of pods/plant BC ratio 	Dr.M.Malarkodi, SMS (SS&AC) Dr. T. Saravanan SMS (PP)
		Ground nut	Poor plant population under rainfed areas leads to yield reduction(30-40%) Inadequate moisture conservation leads to yield loss	Demonstration of paired row planting method in rain fed ground nut	Variety	Groundnut seeds	DOR, Hyderabad (2014)	Groundnut seeds Field board Testing of soil sample	75 kg /acre 1 1	4320	10 (4 ha)	43200	<ul style="list-style-type: none"> Plant population/m², Plant height, No. of pods/plant, No. of seeds/pod, 100 seed weight, Amount of rainfall in that season, No. of rainy days, yield, net income and B:C ratio and MUE 	Dr. K. Venkatalakshmi SMS (Agronomy) Dr. M. Malarkodi, SMS (SS&AC)
8		Groundnut	Local varieties – VRI 2 Average yield – 2060 kg/ha Lack of knowledge	Demonstration and farmers participatory seed production of groundnut variety VRI 6 of Cuddalore	Variety	VRI 6	TNAU 2006	VRI 6 Field board Testing of soil sample	48 kg 1 1	4320	10 (4 ha)	43200	<ul style="list-style-type: none"> Yield No. of pods/plant BC ratio 	Dr. V. VijayaGeetha SMS (SST) Dr. T. Saravanan, SMS (Plant Pathology)

			about high yielding newly released variety (VRI 6 average yield – 2600kr/ha)	district										
9		Ground nut	Moisture stress lead to reduction in yield loss up to 40 % under rain fed condition Non availability of drought tolerant varieties	Demonstration of CO7 Ground nut under rain fed areas	Var	CO7	TNAU, 2014	CO7seed Field board Testing of soil sample	50kgs 1 1	4320	6	25920	Plant population/m ² , Plant height, No. of pods/plant, No. of seeds/pod, 100 seed weight, yield, amount of rainfall in that season, No. of rainy days and MUE net income, B:C ratio	Dr. K. Venkatalakshmi SMS (Agronomy) Dr. M.Malarkodi, SMS (SS&AC)
10	Sugarcane	Sugarcane	Unhealthy seedlings due to nutrient deficiency Mortality rate of seedling is higher Final yield reduction	Demonstration of enriched cocopith as a medium for protray sugarcane seedling	variety	--	--	Composted coirpith DAP MN mixture Field board	75/0.5 ac 1.5 kg/ac 0.5 kg 1	900	20	18000	Germination percentage, height of the seedling, girth of the seedlings ,No of leaves, cost of production at 30DAP, yield, CCS(t/ha) and B:C ratio	Dr. K. Venkatalakshmi SMS (Agronomy) Dr. M.Malarkodi, SMS (SS&AC)

11	Vegetables	Cluster bean	Lack of awareness about high yielding new variety	Demonstration of new Cluster bean variety MDU 1	Variety	MDU 1	TNAU (2015)	MDU 1 seeds Field board Testing of soil sample	1kg 1 1	550	25 (2.5 ha)	13750/-	<ul style="list-style-type: none"> • Yield • No. of fruits/plant • Fruit length • BC ratio 	Dr. M.Malarkodi, SMS (SS&AC) Dr. V. VijayaGeetha SMS (SST)
12	Vegetables	Major Vegetables - Tomato, brinjal, chillies, bittergourds, curryleaves, moringa, bhendi, snakegourd, bottle gourd	Poor nutritional status of family Increase the cost of vegetables Lack of utilization of unused water Lack of knowledge in multi nutritive value of vegetables and greens Intake of vegetables with toxic residues of pesticides which are hazardous to health	Demonstration of Nutri-herbo Garden in schools	-	-	-	Vegetable seed kit (Tomato, brinjal, chillies, bittergourd, curryleaves, moringa, bhendi, snakegourd, bottle gourd) Board for display	10 No.s 1	400	10	3000	B:C ratio Consumption rate Nutritional status	Dr. S.Kannan SMS (HSC.,) Dr. V. VijayaGeetha SMS (SST)
13	Minor millets	Varagu	Low yield, Price instability	Demonstration of varagu CO 3 for Cuddalore district	variety	Co 3	TNAU 1980	Co 3 seeds Field board	2.5 kg/ac 1	650	20 (4 ha)	13000	Grains / panicle, Yield (q/ha), Economics	Dr. S.Kannan SMS (HSC.,) Dr. V. Vijaya Geetha SMS (SST)
14	Fodder	Cumbunapier, fodder sorghum,	Low yield of milk Low availability	Demonstration of fodder bank for livestock	Variety	Cumbunapier hybrid	TNAU 2010	Cumbunapier hybrid grass (Co	1500 slips	750	15 (2.4 ha)	24000	Yield of fodder, No of cuts /year	Dr. S.Kannan SMS (HSC.,) Dr. V. VijayaGeetha

		fodder cow pea	of fodder		grass (Co 5) Fodder sorghum (Co 31) Fodder Cowpea (Co 8) Velimasal Co1		5) Fodder sorghum (Co 31) Fodder Cowpea (Co 8) Velimasal Co1 Field board	0.25 kg 800 g 750 g 1	100 150 600 100				SMS (SST)
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Integrated Farming System (IFS)

1	IFS (Wetland system)		<ul style="list-style-type: none"> Low income in non crop season in delta region Less production from agriculture 	Integrated Farming system under wet land condition	Existing Condition: Crop – Paddy – Blackgram / Paddy –Maize Animal husbandry – Goat Fodder crop – fodder sorghum co 31		TNAU 2005	Fish fingerlings, Chicks (Nandana m 4) Field board	300 20 1	5500	3	17500	Crop yield (kg/ha) Gross and net income from the system Egg yield (nos.) Fish weight (harvest-kgs)	SMS (Agronomy)
2	IFS (Dryland system)		<ul style="list-style-type: none"> Low income in non crop season in delta region Less production from 	Integrated Farming system under dry land condition	Existing Condition: Crop – Sorghum- Maize/ Millets –Maize Fodder crop: Fodder Sorghum Co		TNAU 2005	Chicks (Nandhana m 4) Silpaulin bag for Vermicom post	20 nos 2	5000	3	15000	Crop yield (kg/ha) Gross and net income from the system	SMS (Agronomy)

			agriculture		31 Animal husbandry - Goat			Fodder sorghum Co 31	2.0 kg/acre					
								Field board	1					

10 Training for Farmers/ Farm Women during 2015-16

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/Refinement/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Paddy	Samba paddy is frequently affected by Pest and disease Existing variety is more vulnerable to pest and disease	OFT on Assessment of varieties for samba paddy for pest and disease	Samba paddy crop management	2	45 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Paddy	In judicious application of water lead to wastage of water . Lack of suitable technology for AWD irrigation method	FLD on Demonstration of Pani pipe technique for judicious use of water in paddy	Water management in samba paddy crop	2	40 No.s	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Paddy	Non availability of suitable varieties for flood prone area Crop failure or heavy yield reduction due to water logging situation	FLD on Demonstration of samba Paddy CR1009 SUB 1 for flood prone areas	ICM in samba paddy and management practices in flood condition	5	100 No.s	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Paddy	Yield loss due to pest and diseases Lack of awareness about the egg parasites for management of leaf folder and stem borer Huge chemicals used for control of the pest and	FLD on Demonstration of IPM strategies for Pest and disease in samba paddy	Management of Major pests and diseases in paddy	2	50 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)

			disease					
		Maize	Lower productivity due to unbalanced and indiscriminate usage of fertilizers	OFT on Assessment of nutriseed pack technology in maize	Integrated nutrient management in maize	4	100	Dr. M. Malarkodi, SMS (SS and AC) & Dr.K.Venkata lakshmi SMS (AGR)
		Sorghum	Lack of awareness about the new drought tolerant dual purpose sorghum variety	FLD on Demonstration of new Sorghum variety K12 and OFT on Assessment of sorghum varieties and value addition	Production technologies for sorghum	5	40 nos.	Dr. M.Malarkodi SMS (SS&AC) Dr. S. Kannan, SMS (FSN) Dr. V. VijayaGeetha, SMS (SST)
		Ragi	Poor grain yield, Price instability, Lack of knowledge in value addition	OFT on Assessment of ragi varieties and value addition	Integrated crop management practices for ragi	4	120	Dr. S. Kannan, SMS (FSN) Dr. M.Malarkodi SMS (SS&AC)
		Groundnut	Micronutrient deficiencies leads to lower yield in oil seed crops	FLD on Demonstration of TNAU MN mixture in ground nut and gingelly	INM in groundnut and gingelly	5	100	Dr. M.Malarkodi SMS (SS&AC) Dr. V. VijayaGeetha, SMS (SST)
		Groundnut	Yellowing of leaves Poor pod formation Low market price Lack of knowledge in value addition	FLD on Demonstration of groundnut VRI 2 variety and value addition	ICM in Groundnut and value addition	2	40	Dr. S. Kannan, SMS (FSN) Dr. M.Malarkodi SMS (SS&AC)
		Groundnut	Poor plant population is maintained under rainfed areas-Yield reduction. Inadequate moisture conservation –yield loss	FLD on Demonstration of paired row planting in rain fed ground nut	ICM in Groundnut	2	50	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)

		Groundnut	Moisture stress lead to reduction in yield loss up to 40 % under rain fed condition 2.Non availability of drought tolerant varieties	FLD on Demonstration of CO7 Ground nut under rain fed areas	ICM in Groundnut	1	25	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Sugarcane	Unhealthy seedlings due to nutrient deficiency Mortality rate is higher . Final yield reduction	OFT on Enrichment of coco pith as a medium for portray in Sugarcane seedling	SSI technique in sugarcane	3	75	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
10.2	Horticulture Production	Brinjal	Yield loss from shoot and fruit borer Indiscriminate use of chemicals for control of the borer Lack of awareness about the use of bio management strategies	FLD on Demonstration of IPM in for shoot and fruit borer in brinjal	Integrated crop management in brinjal	10	200	Dr. T. Saravanan, SMS (PAT) Dr. V. VijayaGeetha, SMS (SST)
		Banana	Poor bunch quality fetches lower price in market	FLD on Demonstration of IIHR bunch nutrition in banana	INM in banana	10	200	Dr. M.Malarkodi SMS (SS&AC) Dr. V. VijayaGeetha, SMS (SST)
		Water melon	Lack of awareness about the fertilization and plant protection measures Yield loss due to pest and diseases	FLD on Demonstration of ICM in water melon	Integrated crop management practices and IPM	2	25/course	Dr. T. Saravanan, SMS (PAT) Dr. M.Malarkodi SMS (SS&AC) Mr. R. Rajesh Kannan, Farm Mnager
10.4	Home Science	Sorghum	Incidence of smut and grain mould, Poor grain yield	OFT on Assessment of sorghum varieties for Cuddalore district	Value addition in sorghum	5	30/course	Dr.S.Kannan, SMS (HSc.,) Dr.K.Venkata lakshmi SMS (AGR) Dr. M.Malarkodi SMS (SS&AC)
		Nutrition garden	Poor nutritional status of family Increase the cost of vegetables Lack of utilization of unused water	FLD on Demonstration of Nutrition Garden	Demonstration of nutrition garden	2	30/course	Dr.S.Kannan, SMS (HSc.,) Dr. V. VijayaGeetha, SMS (SST)

			Lack of knowledge in multi nutritive value of vegetables and greens Intake of vegetables with toxic residues of pesticides which are hazardous to health					
10.5	Plant Protection	Paddy	Samba paddy is frequently affected by Pest and disease Existing variety is more vulnerable to pest and disease	OFT on Assessment of varieties for samba paddy for pest and disease	Samba paddy crop management	2	45 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Paddy	Yield loss due to pest and diseases Lack of awareness about the egg parasites for management of leaf folder and stem borer Huge chemicals used for control of the pest and disease	FLD on Demonstration of bio management strategies for Pest and disease in samba paddy	IPM for pest and disease in paddy	2	50 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Brinjal	Yield loss from shoot and fruit borer Indiscriminate use of chemicals for control of the borer Lack of awareness about the use of bio management strategies	FLD on Demonstration of IPM in for shoot and fruit borer in brinjal	Integrated pest management in brinjal	10	200	Dr. T. Saravanan, SMS (PAT) Dr. V. VijayaGeetha, SMS (SST)
		Cashew	Pests incidence in cashew	OFT on Evaluation of Management strategies for tea mosquito bug (<i>Helopeltis antonii</i>) in cashew	Integrated pest management practices in cashew	2	25/course	Dr. T. Saravanan, SMS (PAT) Mr. R. Rajesh Kannan, Farm Mnager

10.6	Production of Inputs at Site	Coir pith composting	Long time taken to attain maturity and non availability of well decomposed cocopeat	Organic input production	Coir pith composting technology	2	30/course	Dr. M.Malarkodi SMS (SS&AC) Dr. T. Saravanan, SMS (PAT) Dr.K.Venkata lakshmi SMS (AGR)
10.7	Soil Health and Fertility	Sodic soil	Poor physical condition of the soil leads to lower productivity in crops	FLD on Demonstration of TNAU MN mixture in ground nut and gingelly	INM in ground nut and gingelly	2	35/course	Dr. M.Malarkodi SMS (SS&AC) Dr. V. VijayaGeetha, SMS (SST) Dr. T. Saravanan, SMS (PAT)
10.8	PHT and value addition	-	-	-	-	-	-	-
10.9	Capacity Building Group Dynamics	-	-	-	-	-	-	-
10.10	Farm Mechanization	Cotton	Acute labour scarcity and high wages Reduction of quality of kapas	FLD on Mechanization in cotton picking (Handling techniques of cotton picking machine)	Farm mechanization in cotton	1	35 nos.	Dr.S.Kannan, SMS (HSc.,) Dr.K.Venkata lakshmi, SMS (AGR)
		Groundnut	Labour shortage is the major problem Cost of labour is also high	FLD on Demonstration of ground nut thresher	Farm mechanization in groundnut	2	40 No.s	Dr.K.Venkata lakshmi, SMS (AGR) Dr.S.Kannan, SMS (HSc.,)
10.11	Fisheries Production Technologies	Fish culture – Integrated Farming system	Lack of awareness in fish culture	-	IFS and fish culture	2	40 nos..	Dr.K.Venkata lakshmi, SMS (AGR) Dr.S.Kannan, SMS (HSc.,)
10.12	Mushroom production	Mushroom cultivation	No additional income to rural people Lack of knowledge in	-	-	3	60 No.s	Dr. T. Saravanan, SMS (Plant Pathology)

		n	mushroom cultivation					
10.13	Agro forestry	-	-	-	-	-	-	-
10.14	Bee Keeping	-	-	-	-	-	-	-
10.15	Sericulture	-	-	-	-	-	-	-
10.16	Others							

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

11. Training for Rural Youth during 2015-16

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/Refinement/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production	Paddy	Samba paddy is frequently affected by Pest and disease Existing variety is more vulnerable to pest and disease	OFT on Assessment of varieties for samba paddy for pest and disease	Samba paddy crop management	1	20 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Paddy	In judicious application of water lead to wastage of water . Lack of suitable technology for AWD irrigation method	FLD on Demonstration of Pani pipe technique for judicious use of water in paddy	Water management in samba paddy crop	2	30 No.s	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Paddy	Non availability of suitable varieties for flood prone area Crop failure or heavy yield reduction due to water logging situaton	FLD on Demonstration of samba Paddy CR1009 SUB 1 for flood prone areas	ICM in samba paddy and management practices in flood condition	3	60 No.s	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Paddy	Yield loss due to pest and diseases Lack of awareness about the egg parasites for management of leaf folder and stem borer Huge chemicals used for control of the pest and disease	FLD on Demonstration of IPM startegies for Pest and disease in samba paddy	Management of Major pests and diseases in paddy	2	40 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Maize	Lower productivity due to unbalanced and	OFT on Assessment of nutriseed pack technology	Integarted nutrient management in mazie	2	40 nos.	Dr. M. Malarkodi, SMS (SS and AC) &

			indiscriminate usage of fertilizers	in maize				Dr.K.Venkata lakshmi SMS (AGR)
		Sorghum	Lack of awareness about the new drought tolerant dual purpose sorghum variety	FLD on Demonstration of new Sorghum variety K12 and OFT on Assessment of sorghum varieties and value addition	Production technologies for sorghum	3	45 nos.	Dr. M.Malarkodi SMS (SS&AC) Dr. S. Kannan, SMS (FSN) Dr. V. VijayaGeetha, SMS (SST)
		Groundnut	Micronutrient deficiencies leads to lower yield in oil seed crops	FLD on Demonstration of TNAU MN mixture in ground nut and gingelly	INM in groundnut and gingelly	3	60 nos.	Dr. M.Malarkodi SMS (SS&AC) Dr. V. VijayaGeetha, SMS (SST)
		Groundnut	Yellowing of leaves Poor pod formation Low market price Lack of knowledge in value addition	FLD on Demonstration of groundnut VRI 6 variety and value addition	ICM in Groundnut and value addition	1	20 nos.	Dr. S. Kannan, SMS (FSN) Dr. M.Malarkodi SMS (SS&AC)
		Groundnut	Poor plant population is maintained under rainfed areas-Yield reduction. Inadequate moisture conservation –yield loss	FLD on Demonstration of paired row planting in rain fed ground nut	ICM in Groundnut	1	25 nos.	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Groundnut	Moisture stress lead to reduction in yield loss up to 40 % under rain fed condition 2.Non availability of drought tolerant varieties	FLD on Demonstration of CO7 Ground nut under rain fed areas	ICM in Groundnut	1	20 nos.	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)
		Sugarcane	Unhealthy seedlings due to nutrient deficiency Mortality rate is higher . Final yield reduction	FLD on Enrichment of coco pith as a medium for portray in Sugarcane seedling	SSI technique in sugarcane	5	100 nos.	Dr.K.Venkata lakshmi SMS (AGR) Dr. V. VijayaGeetha SMS (SST)

11.2	Horticulture Production	Brinjal	Yield loss from shoot and fruit borer Indiscriminate use of chemicals for control of the borer Lack of awareness about the use of bio management strategies	FLD on Demonstration of IPM in for shoot and fruit borer in brinjal	Integrated crop management in brinjal	5	100 nos.	Dr. T. Saravanan, SMS (PAT) Dr. V. VijayaGeetha, SMS (SST)
		Banana	Poor bunch quality fetches lower price in market	FLD on Demonstration of IIHR bunch nutrition in banana	INM in banana	2	40 nos.	Dr. M.Malarkodi SMS (SS&AC) Dr. V. VijayaGeetha, SMS (SST)
		Water melon	Lack of awareness about the fertilization and plant protection measures Yield loss due to pest and diseases	FLD on Demonstration of ICM in water melon	Integrated crop management practices and IPM	2	50 nos.	Dr. T. Saravanan, SMS (PAT) Dr. M.Malarkodi SMS (SS&AC) Mr. R. Rajesh Kannan, Farm Mnager
11.4	Home Science	Sorghum	Incidence of smut and grain mould, Poor grain yield	OFT on Assessment of sorghum varieties for cuddalore district	Value addition in sorghum	2	50 nos.	Dr.S.Kannan, SMS (HSc.,) Dr.K.Venkata lakshmi SMS (AGR) Dr. M.Malarkodi SMS (SS&AC)
		Nutrition garden	Poor nutritional status of family Increase the cost of vegetables Lack of utilization of unused water Lack of knowledge in multi nutritive value of vegetables and greens Intake of vegetables with toxic residues of pesticides which are hazardous to health	FLD on Demonstration of Nutrition Garden	Demonstration of nutrition garden	2	30 nos.	Dr.S.Kannan, SMS (HSc.,) Dr. V. VijayaGeetha, SMS (SST)

11.5	Plant Protection	Paddy	Samba paddy is frequently affected by Pest and disease Existing variety is more vulnerable to pest and disease	OFT on Assessment of varieties for samba paddy for pest and disease	Samba paddy crop management	2	45 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Paddy	Yield loss due to pest and diseases Lack of awareness about the egg parasites for management of leaf folder and stem borer Huge chemicals used for control of the pest and disease	FLD on Demonstration of IPM strategies for Pest and disease in samba paddy	IPM for pest and disease in paddy	2	50 nos.	Dr. T. Saravanan, SMS (Plant Pathology) Dr. V. VijayaGeetha SMS (SST)
		Brinjal	Yield loss from shoot and fruit borer Indiscriminate use of chemicals for control of the borer Lack of awareness about the use of bio management strategies	FLD on Demonstration of IPM in for shoot and fruit borer in brinjal	Integrated pest management in brinjal	5	100 nos.	Dr. T. Saravanan, SMS (PAT) Dr. V. VijayaGeetha, SMS (SST)
11.6	Production of Inputs at Site	Coir pith composting	Long time taken to attain maturity and non availability of well decomposed cocopeat	Organic input production	Coir pith composting technology	2	30/courses	Dr. M.Malarkodi SMS (SS&AC) Dr. T. Saravanan, SMS (PAT) Dr.K.Venkata lakshmi SMS (AGR)
11.7	Soil Health and Fertility	Sodic soil	Poor physical condition of the soil leads to lower productivity in crops	FLD on Demonstration of TNAU MN mixture in ground nut and gingelly	INM in ground nut and gingelly	2	35/courses	Dr. M.Malarkodi SMS (SS&AC) Dr. V. VijayaGeetha, SMS (SST) Dr. T. Saravanan, SMS (PAT)
11.8	PHT and value addition	-	-	-	-	-	-	-
11.9	Capacity Building Group Dynamics	-	-	-	-	-	-	-
11.10	Farm	Cotton	Acute labour scarcity	Mechanization in cotton	Farm mechanization in	1	35 nos.	Dr.S.Kannan, SMS

	Mechanization		and high wages Reduction of quality of kapas	picking (Handling techniques of cotton picking machine)	cotton			(HSc.,) Dr.K.Venkata lakshmi, SMS (AGR)
		Groundnut	Labour shortage is the major problem Cost of labour is also high	Demonstration of ground nut thresher	Farm mechanization in groundnut	1	20 No.s	Dr.K.Venkata lakshmi, SMS (AGR) Dr.S.Kannan, SMS (HSc.,)
11.11	Fisheries Production Technologies	Fish culture – Integrated Farming system	Lack of awareness in fish culture	-	IFS and fish culture	2	30 nos..	Dr.K.Venkata lakshmi, SMS (AGR) Dr.S.Kannan, SMS (HSc.,)
11.12	Mushroom production	Mushroom cultivation	No additional income to rural people Lack of knowledge in mushroom cultivation	-	-	2	30 No.s	Dr. T. Saravanan, SMS (Plant Pathology)
11.13	Agro forestry	-	-	-	-	-	-	-
11.14	Bee Keeping	-	-	-	-	-	-	-
11.15	Sericulture	-	-	-	-	-	-	-
11.16	Others- Drought	--	--	--	--	--	--	-

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

12 Trainings for Extension Personnel during 2015-16

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Introduction and popularization of newly released varieties in agricultural crops	2	25	Dr. M.Malarkodi SMS (SS&AC) Dr.K.Venkata lakshmi, SMS (AGR)
		INM practices and demonstration of Visual Diagnostic Kit for identification of nutrient deficiencies and their remedial measures	2	25course	Dr. M.Malarkodi SMS (SS&AC)
		INM in major crops of Cuddalore district	2	45	Dr. M.Malarkodi SMS (SS&AC) Dr. T. Saravanan, SMS (SST) Dr. V. VijayaGeetha, SMS (SST)
		Minor millets production technologies	1.	25 nos.	Dr.K.Venkata lakshmi, SMS (AGR) Dr. M.Malarkodi SMS (SS&AC)
		Transplanted red gram technologies	1	25 Nos.	Dr.K.Venkata lakshmi, SMS (AGR) Dr. V. VijayaGeetha, SMS (SST) Dr. M.Malarkodi SMS (SS&AC)
12.2	Home Science	-	-	-	-
12.3	Capacity Building and Group Dynamics	-	-	-	-
12.4	Horticulture	Integrated crop management in vegetables	2	25	Dr. V. VijayaGeetha, SMS (SST) Dr. M.Malarkodi SMS (SS&AC)
12.5	Livestock Production & Management	Livestock management and vaccination	1	35	Dr. S. Kannan, SMS (HSc) Dr. T. Saravanan, SMS (PAT)
12.6	Plant Protection	IPM in rice	2	50	Dr. T. Saravanan, SMS (PAT) Dr.M. Malarkodi, SMS (SS&AC)
		IPM in Vegetables	1	50	Dr. T. Saravanan, SMS (PAT) Dr. S. Kannan, SMS (HSc)
		Ecofriendly management of pest and disease in			
12.7	Farm Mechanization	-	-	-	-
12.8	PHT and value addition	Demonstration of value addition in vegetables	2	50	Dr. S. Kannan, SMS (HSc) Dr. T. Saravanan, SMS (PAT)
12.9	Production of Inputs at Site	-	-	-	-
12.10	Sericulture	-	-	-	-
12.11	Fisheries	-	-	-	-

* Title of intervention/title of technology, ** Training title should specify the major technology/skill to be transferred.

13 Vocational trainings during 2015-16

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participant	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production	Seed production in vegetables	1 (3 days)	Farmers, women and rural youths	50	-	Dr.V.Vijaya Geetha, SMS(SST) Dr. M.Malarkodi, SMS(SS&AC)
		Quality seed production in oil seeds	2 (5 days each)	Farmers, women and rural youths	50	-	Dr.V.Vijaya Geetha, SMS(SST) Dr. T.Saravanan, SMS(PAT)
		Sustainable Sugarcane Initiatives technology	1 (3 days)	Farmers and women	20	-	Dr.K.Venkatalakshmi, SMS (AGR) Dr.V.Vijaya Geetha, SMS(SST)
		Organic farming – input production and utilization	1 prog. - 3 days	Progressive Farmers	20 nos.	-	Dr.K.Venkata lakshmi Dr.M.Malarkodi Dr.T.Saravanan
		Integrated Farming System – wet land and garden land system	1 prog-3 days	Progressive farmers and farm women	20 nos.	-	Dr.K.Venkata lakshmi and Animal husbandary doctor
13.2	Home Science	Processing, value addition and Marketing technique of minor millers	1 prog-3 days	Progressive farmers and farm women	20 nos.	-	Dr. S. Kannan, SMS (FSN) and Dr.K.Venkata lakshmi, SMS (Agronomy)
		Value added product prepared from fruits and vegetables	1 prog-3 days	Progressive farmers, farm women and rural youth	20 nos.	-	Dr. S. Kannan, SMS (FSN)
13.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
13.4	Horticulture	Quality seedling production in tomato, brinjal and chillies	2 (each 5 days)	Farmers, women and rural youths	50	-	Dr. V. Vijaya Geetha, SMS (SST) Mr. R.Rajesh Kannan(Farm Manager)
13.5	Livestock Production & Management	-	-	-	-	-	-

13.6	Plant Protection	-	-	-	-	-	-
13.7	Farm Mechanization	-	-	-	-	-	-
13.8	PHT and value addition	Vocational training on mushroom production and value addition	3 programmes and five days	Farmers, farm women, rural youth	75	--	Dr. T. Saravanan SMS (Plant Pathology)
13.9	Production of Inputs at Site	Composting technologies	2 (5 days)	Rural youths and SHGs	25/programme		Dr.M.Malarkodi Dr. K.Venkata lakshmi
		Vocational training on Biocontrol agents production	1 programme and five days	Farmers, farm women, rural youth	25	-	Dr. T. Saravanan SMS (Plant Pathology)
13.10	Sericulture	-	-	-	-	-	-
13.11	Fisheries	-	-	-	-	-	-

* Training title should specify the major technology/skill to be transferred.

Abstract of training to be given during 2015-16

S.No	Particulars	Number of courses	No. of participants
1	Farmers/ Farm Women	34	1190
2	Rural Youth	19	475
3	Extension Personnel	8	320
4	Vocational training	10	180
5	Sponsored programme	35	1000
	TOTAL	105	3165

14. Sponsored trainings during 2015-16

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production	--	--	--	--	--	--
14.2	Home Science	-	-	-	-	-	-
14.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
14.4	Horticulture	-	-	-	-	-	-
14.5	Livestock Production & Management	-	-	-	-	-	-
14.6	Plant Protection	-	-	-	-	-	-
14.7	Farm Mechanization	-	-	-	-	-	-
14.8	PHT and value addition	-	-	-	-	-	-

14.9	Production of Inputs at Site	-	-	-	-	-	-
14.10	Sericulture	-	-	-	-	-	-
14.11	Fisheries	-	-	-	-	-	-

* Programme title should specify the major technologies/skills to be transferred /refreshed.

At present we did not operate any of the external funded schemes and hence the sponsored training details could not be provided.

15. Extension programmes during 2015-16

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	Daily basis	2500	All SMS
15.2	Diagnostic visits	50	750	All SMS
15.3	Field Day	10	1000	PC and All SMS
15.4	Group discussions	15	500	PC and All SMS
15.5	Kisan Ghosthi	-	-	-
15.6	Film Show	-	-	-
15.7	Self -help groups	5	250	SMS (PP) & (HSc)
15.8	Kisan Mela	4	7500	All SMS
15.9	Exhibition	4	12000	PC and All SMS
15.10	Scientists' visit to farmers field	50	700	All SMS
15.11	Plant/Soil health/Animal health camps	4	600	SMS (SS & AC)
15.12	Farm Science Club	4	100	PC and All SMS
15.13	Ex-trainees Sammelan	-	-	-
15.14	Farmers' seminar/workshop	6	3000	All SMS
15.15	Method Demonstrations	30	1000	All SMS
15.16	Celebration of important days	-	-	-
15.17	Special day celebration	-	-	-
15.18	Exposure visits	4	500	All SMS
15.19	Technology week,	1	-	-
15.20	FFS	1	30	PC and All SMS
15.21	Farm innovators meet	2	100	All SMS
15.22	Awareness programs	4	600	All SMS
	Others, pl. specify			

16. Activities proposed as Knowledge and Resource Centre during 2015-16

16.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Herbal Technology park	To create awareness about the usage of medicinal plants in our daily life	-	Dr. R.Arunachalam, Programme Coordinator, V. Vijaya Geetha,SMS (SST) Th. R. Rajesh Kannan, Farm Manager
16.1.2	Demonstration Units	Roof gardening	-	Dr. R.Arunachalam, Programme Coordinator, Dr. V. Vijaya Geetha,SMS (SST) Dr. M.Malarkodi, SMS (SS&AC) Th. R. Rajesh Kannan, Farm Manager

		Stall fed Telicherry Goats	-	Dr. R.Arunachalam, Programme Coordinator, Dr. K.Vengadalakshmi, SMS (AGR) Th. R. Rajesh Kannan, Farm Manager
		IFS model –Poultry with fish	-	Dr. R.Arunachalam, Programme Coordinator, Th. R. Rajesh Kannan, Farm Manager
		Nanthanam 4 Chicks	-	Dr. R.Arunachalam, Programme Coordinator, Th. R. Rajesh Kannan, Farm Manager
		Mushroom production	-	Dr. R.Arunachalam, Programme Coordinator, Dr. T. Saravanan, SMS (PAT) Th. R. Rajesh Kannan, Farm Manager
16.1.3	Lab Analytical services	Soil and water sample analyzing	-	Dr. R.Arunachalam, Programme Coordinator, Dr. M.Malarkodi, SMS (SS&AC) Tmt. G. Meenalakshmi
16.1.4	Technology Week	-	-	

16.2 Technological Products

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2014-15	Names of the team members involved
16.2.1	Seeds				
16.2.2	Planting materials	-	Cashew grafts VRI 3	10000 Nos.	Farm manager and Programme coordinator
		-	Ornamental seedling	2500 Nos.	Farm manager and Programme coordinator
		-	Medicinal plants	2500 Nos	Farm manager and Programme coordinator
		-	Protray vegetable seedling	50,000 Nos.	Farm manager and Programme coordinator
		-	Jack grafts	200 Nos.	Farm manager and Programme coordinator
16.2.3	Bio-products	-	Vermicompost	5 Tonnes	Farm manager and SMS (SS&AC)
16.2.4	Livestock strains	-	Thalacherry Goats	10 Nos.	Farm manager and SMS (Agronomy)
16.2.5	Fish fingerlings	-	-	-	-

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	30	Dr.R.Arunachalam Dr.V.Vijaya geetha

			Dr.M.Malarkodi Dr.T. Saravanan Dr.K. Vengadalakshmi
	Horticulture	6	Dr.R.Arunachalam Dr.V.Vijaya geetha Dr.T. Saravanan
	Animal Husbandry	2	Dr.R.Arunachalam Dr.T. Saravanan Dr.S.Kannan
	Fisheries	1	Dr.R.Arunachalam Dr.S.Kannan
	Agricultural Engineering	5	Dr.R.Arunachalam Dr.K. Vengadalakshmi Farm manager
	Sericulture	1	Dr.R.Arunachalam Dr. V.Vijaya Geetha
	Others, pl. specify		
16.3.2	Literature/publication	15	Dr.R.Arunachalam Dr.S.Kannan Dr.V.Vijaya geetha Dr.M.Malarkodi Dr.T. Saravanan Dr.K. Vengadalakshmi
16.3.4	Electronic Media	100	Dr.R.Arunachalam Dr.S.Kannan Dr.V.Vijaya geetha Dr.M.Malarkodi Dr.T. Saravanan Dr.K. Vengadalakshmi
16.3.5	Kisan Mobile Advisory Services	254	Dr.R.Arunachalam Dr.V.Vijaya geetha Dr.M.Malarkodi Dr.T. Saravanan Dr.K. Vengadalakshmi
16.3.6	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion.	

17. Additional Activities Planned during 2015-16

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	ICAR - Main	Establishing Home Science Laboratory	<ul style="list-style-type: none"> Value addition - research Packaging technologies Quality analysis 	Cabinet drier : 2 Lakhs Packaging machine: 5 Lakhs Quality analysis equipments: 3 Lakhs Total: 10 Lakhs	Dr. S. Kannan SMS (Home Science)

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2014 (Rs.in Lakh)	Expenditure incurred during 2014-15 (Rs.in Lakh)	Receipts during 2014-15 (Rs.in Lakh)	Closing balance as on 16.3.2015 (Rs.in Lakh)	Expected closing balance by 31.3.2015 (Including value of material in stock)
RF (Farm) 367454.01	373169	266587	243864	375864
RF(Building) 198770.72	101987	120734	213797	215797

18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Cashew grafts VRI 3	10000 Nos.	2,00,000	Farm manager and Programme coordinator
18.2.3	Ornamental seedling	2500 Nos.	25,000	Farm manager and Programme coordinator
18.2.4	Medicinal plants	2500 Nos	25,000	Farm manager and Programme coordinator
18.2.5	Protray vegetable seedling	50,000 Nos.	30,000	Farm manager and Programme coordinator
18.2.6	Jack grafts	200 Nos.	10,000	Farm manager and Programme coordinator

19. Activities of soil, water and plant testing laboratory during 2015-16

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	600	Dr. M. Malarkodi, SMS (SS&AC) Tmt.G.Meenalakshmi, Prog.Asst(Tech)
19.2	Water	1000	
19.3	Plant	-	
19.4	Others	-	

20. E-linkage during 2015-16

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared	Updating and Maintenance of KVK URL (www.kvkcuddalore.com .)	-
20.2	Creation and maintenance of relevant database system for KVK	Updating on monthly basis	-
20.3	Any other (Please specify)	-	-

21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

S. No	Activities planned	Remarks if any
21.1	NIL	

22. Innovative Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	November 2015
22.3	Brief action plan in this regard	Innovations and success story sharing by Innovative and Progressive farmers from Cuddalore District.

23. Detailed proposal of farmer field school on "Ecofriendly crop management of paddy"

1. Season: Kharif season, 2015-16	Period: July, 2015 to Sep, 2016
2. Periodicity of the session:	One day in a week
3. Name of the village:	Karmangkudi
4. Number of participants:	Male 20; Female 10; Total 30
5. Name of the Facilitators:	1. Dr. S. Jeeva, Professor and Head, KVK 2. Dr. M. Malarkodi, SMS (SS and AC)
6. Area of the FFS field:	Natural Resource management
7. Name of the collaborator (<i>in whose field the FFS is to be laid</i>):	Mr. Venkatesan
8. Major problems in the FFS village relevant to the crop/enterprise:	<ul style="list-style-type: none"> ➤ Lack of awareness about the conservation of natural resources ➤ Wastage of agricultural wastes ➤ Indiscriminate use of chemicals for paddy ➤ lack of knowledge in use of ecofriendly crop management
9. Objectives of the FFS:	<ul style="list-style-type: none"> • To educate the farmers about eco friendly crop management techniques in paddy • To train the farmers on the use of eco friendly technical inputs and strategies • To create awareness about production and marketing of different bio agents
10. Guest Faculty to be involved:	Local successful farmers engaged in organic cultivation of paddy

11. FFS Curriculum of Ecofriendly crop management in paddy - model:

Activity	Session-1	Session-2	Session-3
FA	Assessment of basic status, Problem identification and prioritization, Introduction to FFS Finalizing FFS site, session days, drafting rules and	Nursery and Field inspection	Introduction of ecofriendly management techniques
LTE		Short studies on current paddy production, their status, person engaged in seedling production and	

	regulations Input assessment	their knowledge in techniques	
SS		--	Know your nursery and field
ST			Nursery crop management
Others		Testing the knowledge on seedling characters and production	
GD	Initial entry of persons in the FFS	Sub group formation Using area localities	
Activity	Session-4	Session-5	Session-6
FA	Collection of coirpith	Input preparation for decomposition process	Maintenance of coirpith under decomposition
LTE	Importance of bio inputs in use of crop management		LTE observation
SS	Bio inputs for nutrient management		
ST	Activity of bio inputs in paddy crop health		
Others	--		
GD	Lectures and Demonstration	Lectures and Demonstration	Lectures and Demonstration
Activity	Session-7	Session-8	Session-9
FA	Assessment of coirpith on decomposition	Problems in paddy cultivation using chemical method	Identification of pest and disease by participants
LTE	Application of bio inputs in paddy crop field	Assessment of crop health in paddy field	--
SS	--		Impact of soil health on crop growth
ST	--		
Others			
GD	Lectures and Demonstration	Lectures and Demonstration	Lectures and Demonstration
Activity	Session-10	Session-11	Session-12
FA	Assessment of paddy crop growth	Assessment impact of pest and disease in paddy	Assessment of economics of bio inputs production
LTE	--	Assessment of economics of paddy crop yield and bio inputs application	
SS	Lecture by successful entrepreneurs		
ST			
Others			
GD			Benefits of eco based products application

Activity	Session-13	Session-14	Session-15
FA			Field day
LTE			

SS			
ST	AESAs of ecofriendly crop cultivation		
Others		Assessment of knowledge gained in the school through BBE	
GD	Arrangement for establishment of bio input production unit	Future plan of participants on bioinput production	

FA- Field Activity, LTE- Long Term Experiment, SS- Short Studies, ST- Special Topic, AESA – Agro Ecosystem Analysis, BBE- Ballot Box Exercise, GD – Group Dynamics

12. Budget breakup

Sl.No	Subhead	Amount (Rs)
1	Refreshment @ Rs 20/. Per trainee for 14 number of programmes	Rs 8400.00
2	Expenditure on POL /hiring vehicles	Rs 7500.00
3	Contingent expenditures, banners and inaugural function of FFS	Rs 2000.00
4	Distribution of Training material on <ul style="list-style-type: none"> • Organic input production for paddy @ 200 /- for 30 person • Cost of training kits @ 50 for 30 persons 	Rs 6000.00 Rs 1500.00
5	Distribution of literatures for 30 trainees @ 100 per trainee	Rs 1100.00
6	FFS miscellaneous contingent expenditure	Rs 2000.00
7	Honorarium for two facilitators /trainers for each complete session @ 750 each	Rs 1500.00
	Total	Rs 30000.00

24.Budget - Details of budget utilization (2014-15) upto 15.3.2015

				(Rs.)
S. No.	Particulars	Sanctioned	Released as on 15.3.2015	Expenditure as on 15.3.2015
24.1	Recurring Contingencies			
24.1.1	Pay & Allowances	9500000	9960633	9930782
24.1.2	Traveling allowances	111000		151057
24.1.3	Contingencies			
24.1.4	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	50000		227775
<i>B</i>	POL, repair of vehicles, tractor and equipments	50000		144831
<i>C</i>	Meals/refreshment for trainees	20000		74866
<i>D</i>	Training material	20000		76193
<i>E</i>	Frontline demonstration except oilseeds and pulses	100000		71853
<i>F</i>	On farm testing	60000		54010
<i>G</i>	Training of extension functionaries	10000		24890
<i>H</i>	Maintenance of buildings	10000		49001
<i>I</i>	Extension activities	10000		47387
<i>J</i>	Establishment of Soil, Plant & Water Testing Laboratory	--		--
<i>K</i>	Library	0		3503
<i>L</i>	FFS	10000	30000	
<i>M</i>	IFS	10000	38295	
24.1	Total Recurring	9961000	9960633	10924443
24.2	Non-Recurring Contingencies			
24.2.1	Works	--		
24.2.2	Equipments including SWTL & Furniture	--		
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	--		
24.2.4	Library	--		
24.2	Total Non Recurring	--		
24.3	REVOLVING FUND			
24.4	GRAND TOTAL (A+B+C)	9961000	9960633	10924443

25.Details of Budget Estimate (2015-16) based on proposed action plan

Sl. No.	Particulars	BE 2015-16 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	950000
25.1.2	Traveling allowances	250000
25.1.3	Contingencies	1639770
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	450000
<i>B</i>	POL, repair of vehicles, tractor and equipments	267750
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	137500
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	150000
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	303770
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	121250
<i>G</i>	Training of extension functionaries	40000
<i>H</i>	Maintenance of buildings	50000
<i>I</i>	IFS	32500
<i>J</i>	Library	7000
<i>K</i>	FFS	30000
<i>L</i>	Extension activities	50000
25.1	TOTAL Recurring Contingencies	11389770
25.2	Non-Recurring Contingencies	--
25.2.1	Civil Works (Farmers' hostel, construction of rain water harvesting structure)	2075000
25.2.2	Equipments including SWTL & Furniture (pH and EC meter, Weighing balance, Water distillation unit, Shaker, Home Science lab establishment, Baking oven, Xerox cum printer machine, Extruded unit, Flame photo meter)	1401000
25.2.3	Vehicle (Purchase of four wheeler and two wheeler)	1265000
25.2.4	Library (Purchase of assets like books & journals)	--
25.2	TOTAL Non-Recurring Contingencies	4741000
25.3	REVOLVING FUND	--
25.4	GRAND TOTAL (25.1 +25.2)	16130770

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