

## ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

### PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2014-15

#### 1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra Collectorate Campus Sethupathy Nagar, Ramanathapuram – 623 503 Tamil Nadu Ph. No : 04567- 232639 Fax. No: 04567-230250 Email: <a href="mailto:arsramnad@tnau.ac.in">arsramnad@tnau.ac.in</a>
1.2	Name and address of host organization	:	Tamil Nadu Agricultural University Coimbatore – 641 003. Ph. No. 0422-6611522, 6611352 Fax. No. 0422-6611521
1.3	Year of sanction	:	April 2004
1.4	Website address of KVK and date of last update		<a href="http://www.kvkramnad.org">www.kvkramnad.org</a> , December'2013

## 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.Durai Singh	Agronomy	37400-67000	10000	14.06.13	Permanent
2.2	Subject Matter Specialist	Dr.P.Thukkaiyannan	Agronomy	15600-39100	6000	30.12.09	Permanent
2.3	Subject Matter Specialist	Dr.K.Saravanan	SS&AC	15600-39100	6000	11.11.13	Permanent
2.4	Subject Matter Specialist	Dr.J.Ramkumar	Agri.Entomology	15600-39100	6000	02.05.13	Permanent
2.5	Subject Matter Specialist	Dr. V.Rajasree	Horticulture	15600-39100	7000	22.04.13	Permanent
2.6	Subject Matter Specialist	Dr. V.Meenakshi	Home Science	15600-39100	6000	13.01.10	Permanent
2.7	Subject Matter Specialist	Dr.G.Anand	Agri.Extension	15600-39100	6000	01.02.10	Permanent
2.8	Programme Assistant	Mr.C.Karunaitasan.	Agronomy	9300-34800	4400	25.02.11	Permanent
2.9	Computer Programmer	Mrs.G.Namagirilakshmi	Comp. Science	9300-34800	4400	10.12.08	Permanent

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.10	Farm Manager	Vacant	-	9300-34800	4400	-	Vacant
2.11	Accountant/Superintendent	Mrs. C.Anitha	-	9300-34800	4800	19.11.10	Permanent
2.12	Stenographer	Mr. N. Gunaseelan	-	5200-20200	2800	22.10.07	Permanent
2.13	Driver 1	Mr. U.Jeyakrishnan	-	5200-20200	2400	03.05.13	Permanent
2.14	Driver 2	Mr. K.Nagarajan	-	9300-34800	4200	01.11.13	Permanent
2.15	Supporting staff 1	Mrs. K.Rukkumani	-	2500-5000	500	16.09.10	Permanent
2.16	Supporting staff 2	Mrs. T.Dhanavalli	-	2500-5000	500	16.09.10	Permanent

### 3. Details of SAC meeting conducted during 2013-14

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2014-15
1.	Dated : 04.10.13 Dr. K. RAMASAMY Vice Chancellor	Assessment of Drought resistant short duration rice variety and TRY-3 has to be introduced	New short duration direct sown variety Such as ADT(R) 48 , CO(R)51 is being evaluated in the Frontline Demonstration.	<b>2<sup>nd</sup> fortnight of November'2014</b>
2.	Tamil Nadu Agricultural University,Coimbatore	Linkage should be made for introducing CO-4 to the beneficiaries of Dept. of Animal Husbandry	Co-4 component is included in the IFS Special Programme. The Same will be popularized in the ensuing season.	
3.		Recording of mini portable sprinkler should be made in Tamil	Dubbing Script has been finalized Dubbing will be done at TNAU, Coimbatore video unit lab.	
4.		Large scale adoption of Harvester termite in coordination with line department.	Chemical control measures and easy application tools are being demonstrated through Frontline Demonstration.	
5.		Introduce Silos for dry fodder and Straw blocks preparation	Straw blocks enriched with nutrients is being evaluated in FLD.	
6.		Training on Calf Rearing should be imparted.	The Training on calf rearing is included in the veterinary training programme.	

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2014-15
7.	Dr. K. RAMASAMY Vice Chancellor TNAU, Coimbatore	Polythene lining in farm pond to be introduced	Efficient use of stored rainwater from farm pond is being evaluated under special programme utilizing Mini Portable Sprinkler.	<b>2<sup>nd</sup> fortnight of November'2014</b>
8.		Mr.Ramu Milky mushroom producer of Thiruvadanaï can be used as Resource person in TNAU	On campus was conducted and milky mushroom production by using Mr.Ramu as a resource person.	
9.		Importance Should be given for IFS	New components of duck, turkey have been introduced in IFS.	
10.	Zonal Project Director Zone –VIII, Bangalore	Importance should be given for Trainings	Training has been imparted in all aspects of crop production, protection & post harvest in Agriculture & Horticulture and allied activities during 2014-2015.	
11.		Training on Millet production & processing should be given	Large Scale production of Barnyard millet has been planned in FLD. Training has been imparted in processing and value addition of millets.	
12.	Mr.Mohammed Noorulla, Thirupulani	Demonstration of Honey bee rearing, Vermi composting, Mushroom production at farmer's field should be given	Training cum method demonstration has been given in mushroom production, composting in farmers field.	

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2014-15
13.	Mr.A.Shanmugam, A.Puttur	Training on Seed Drill sowing should be given to farmers.	Training cum Demonstration on maintenance and Effective functioning of tractor drawn seed drill has been imparted to farmers, tractor drivers and rural youth during 2013-14. The Same programme will be conducted in the ensuing season.	<b>2<sup>nd</sup> fortnight of November'2014</b>
14.	Mrs.Sesu mary, Muthukulathur	Training on Soil Sampling and Seed hardening should be given to farmers of Muthukulathur block.	Vocational training on Soil Sampling and Seed hardening to farmers of Muthukulathur block has been planned.	
15.	Mr.Mahesh Kumar,Thangatchi madam	Drip for jasmine should given in Subsidy.	Since being a policy matter the suggestion has been recommended to the Deputy Director of Horticulture, State Department of Horticulture, Ramanathapuram.	

#### 4. Capacity Building of KVK Staff

##### 4.1. Plan of Human Resource Development of KVK personnel during 2014-15

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Adaption and mitigation strategies to crop with climate change for sustainable agricultural production	Central Research Institute for Dry land Agriculture, Hyderabad	The training will be useful to mitigate the salt effected soils in Ramanathapuram district
4.1.2	Reclamation and management of salt affected soils	Central Soil Salinity Research Institute, Karnal, Haryana	The training will be useful to mitigate the salt effected soils in Ramanathapuram district
4.1.3	Management of saline and sodic soils	Central Soil Salinity Research Institute, Karnal	The area affected by the salinity and sodicity in Ramanathapuram district is around 16,500 ha. Hence, the training on the Management of saline and sodicity is useful to manage the problem soils.
4.1.4	Agro Ecosystem Analysis & Ecological Engineering for pest management	NIPHM, Hyderabad	The training will be useful to impart trainings to farming community
4.1.5	Protected vegetable cultivation	IIHR, Bangalore	The training will be useful to update the recent development in vegetable cultivation
4.1.6	Newer and concepts and techniques in development of health foods	CIPHET, Ludhiana	Development of dietetic health food by using cereals and millets is the prerequisite for overcoming malnutrition. By attending this training various health foods can be developed and popularized through SHGs.

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.7	Expert system & Multimedia	ICAR institution/ TNAU	Hands on Expert system & Multimedia may help in developing user friendly soft version of technologies and easy dissemination of the same
4.1.8	Strategies for sustainable Rural Livelihoods in Rainfed areas	Central Research Institute for Dry land Agriculture, Hyderabad	The training will be useful for sustainable Rural Livelihoods in Rainfed areas
4.1.9	ERNET training	ICAR institution/ TNAU	The training will be effective for e-learning & database management
4.1.10	Milky mushroom training	ICAR institution/ TNAU	The training will be useful to update recent developments in milky mushroom cultivation.

#### 4.2. Cross-learning across KVKs during 2014-15

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring -	
	Puduchery	Knowledge on biocontrol laboratory maintenance
	Namakkal / Sivagangai	Knowledge on Livestock enterprising
	Thiruchirapalli	Knowledge on saline and sodic soil management
4.2.2	Within the zone – Kannur, Pathinathitta	Value addition and Marketing
4.2.3	Outside zone – KVK, Paramathi, Pune	Demonstration units



**5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2014-15**

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	Thoothukudi	Demo unit & Livestock	Technical expert
5.2	Virudhunagar	Dryland technology	Technical expert
5.3	Pudukottai	Pulses production	Technical expert
5.4	Sivagangai	Livestock enterprising	Training & Interaction with successful livestock entrepreneurs

## 6. Operational areas details proposed during 2014-15

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	Labour scarcity and cost for weeding	50000 ha	Muthunal, Paravur, Naral, R.S.Mangalam, Mangalam, Solanthur	OFT – Assessment of Rice varieties to replace BPT 5204
6.2	Paddy	Drudgery in manual weeding Labour Shortage Improper Spacing	50000 ha	Muthunal, Paravur, Naral, R.S.Mangalam, Mangalam, Solanthur	OFT – Assessing the Performance of weeders in reducing the drudgery
6.3	Paddy	Labour scarcity and cost for weeding	50000 ha	Muthunal, Paravur, Naral, R.S.Mangalam, Mangalam, Solanthur	OFT – Assessment of mechanical thinning methods in semidry rice
6.4	Groundnut	Improper spacing & dense population	4250 ha	Therkkuvaniveethy	OFT - Assessment of Rotary Dibbler in Groundnut.
6.5	Jasmine	Poor nursery technologies Less success percentage due to disease	100 ha (nursery)	Thangatchimadam, Nochiyoorani	OFT – Standardization of nursery technology in jasmine

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.)*
6.7	Paddy	Early drought resulting in termite attack	10000 ha	Uthirakosamangai, Kalari, Melamadai, A.Puttur Thiruvadana	FLD – Management of harvester termite attack in semidry rice.
6.8	Rice	Drought due to uncertain rainfall during the monsoon leads to yield loss & Stress during Terminal period leads to crop failure	50000 ha	Muthunal, Paravur, Naral, R.S.Mangalam, Mangalam, Solanthur	FLD – Demonstration of short duration Rice variety ADT 48 in Ramanathapuram district.
6.9	Rice	Low yield	50000 ha	Muthunal, Paravur, Naral, R.S.Mangalam, Mangalam, Solanthur	FLD – Foliar Sparying of TNAU micronutrient mixture for rainfed rice
6.10	Cotton	Yield reduction due to stem weevil attack	500 ha	A.Puttur, Valanadu, Chithirakudi, Uthirakosamangai, Pukulam	FLD – Management practices for cotton stem weevil
6.11	Cotton	Less yield Less income in rainfed cotton	500 ha	A.Puttur, Valanadu, Chithirakudi, Uthirakosamangai, Pukulam	FLD – PUSA hydrogel as a soil conditioner to improve yield in rainfed cotton.
6.12	Barnyard Millet	Low rainfall distribution and frequent drought occurrence leads to crop failure in rice crop & Stress during Terminal period leads to crop failure	1500 ha	Kamuthi, Muthukulathur	FLD – Introduction of Barnyard millet Co (KV)2.

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.)*
6.13	Pulses	Labour intensive grading and winnowing & Time consumption & Poor Quality grain	3750 ha	Thenaikulam, Panchathagi, Kuthukalvalasai, Rangunathapuram	FLD – Introduction of spiral separator
6.14	-	Lack of micro nutrient food supplement, limited food alternatives & BPL margin	1000 nos	Thirupullani, Kamuthi	FLD - Sustainable approaches in combating micronutrient malnutrition through community approach
6.15	Coconut	Poor yield due to pest attack Lack of awareness on usage of traps Labour shortage to place the chemicals in crown region of the tree	7000 ha	Perungkulam, Periyapattinam, Kilakarai	FLD - Popularization of traps for rhinoceros beetle and red palm weevil
6.16	Coconut	Poor soil health Reduced nut yields	7000 ha	Perungkulam, Periyapattinam, Kilakarai	FLD – Recycling coconut fronds to improve soil organic carbon & nut yields.
6.17	Tuberose	For year round production Alternative crop for jasmine	-	Muthunal, Thirupullani, Paramakudi Ramanathapuram	FLD – Introduction of tube rose in Ramanathapuram.
6.18	Cucumber	Poor production technologies Low yield	2000 ha	Ramanathapuram, Thirupullani	FLD – Improved production technologies in cucumber ( <i>Cucumis sativus</i> ) & mithipagal ( <i>Memordica muricata</i> )

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.)*
6.19	Roof gardening	Malnutrition & Lack of Knowledge on nutritional significance of vegetables & Urbanization	-	Ramanathapuram	Training on Roof gardening
6.20	Chilli	Low yield High cost involved for plant protection measures	5000 ha	A.Puttur, Chathirakudi, Uthirakosamangai, Bogalur	FLD – Integrated Crop management practices for Ramanathapuram local mundu chilli.
6.21	Azolla	Lack of availability of green fodder and green manure	-	Alangankulam, Puthendal, Madakottan, Achudanvayal	FLD- Curtailing Non-Availability of Green Fodder through Introduction of Azolla
6.22	Poultry	Lack of knowledge on management of Newcastle disease in poultry birds	-	Kalari, Melamadai	FLD – Oral pellet vaccine for new castle disease in village chicks
6.23	Livestock	Low milk yield in milch cows due to poor mineral supplementation	-	Kalari, Melamadai	FLD – Supplementation of enriched paddy straw blocks for low yielding milch animal.

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.)*
6.24	Special programme	Erratic rainfall & Low water efficiency	-	Uthirakosamangai	Low cost and portable micro irrigation model for farm ponds and shallow water areas in Ramanathapuram dt.
6.25	Sea weed	Low income from Coastal Resources	-	Mandapam	Seaweed cultivation
6.26	<i>Prosopis juliflora</i>	Low Cultivable Area	-	Ramanathapuram	Mechanical Eradication of <i>Prosopis juliflora</i> in Ramanathapuram district – A pilot model
6.27	FFS	Low yield and Low income	7000 ha	Perungukulam	Integrated Crop Management in Coconut
6.28	IFS	Low income & Low yield Low Soil Organic content	-	Thirupullani	IFS for Rainfed Ecosystem

## 7. Technology Assessment during 2014-15

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
1.	Paddy	More incidence of pest and diseases	Assessment of Rice varieties to replace BPT 5204	T1- BPT 5204	ANGRAU	-	-	-	10	27200	<ul style="list-style-type: none"> <li>No. of productive tillers / hill</li> <li>Leaf Area Index (LAI)</li> <li>% of disease incidence</li> <li>Disease scoring</li> <li>No. of grains / panicle</li> <li>Panicle length (cm)</li> <li>Test weight (g)</li> <li>Yield (q/ha)</li> <li>BCR</li> </ul>	Dr. J. Ramkumar
				T2 - ADT 49	TNAU	Paddy seed LCC Pheromone traps for stem borer	30 kg 1 no. 5/ac	1020 100 200				
				T3 - Improved Samba Mashuri	DRR	Paddy seed  LCC Pheromone traps for stem borer	30 kg  1 no. 5/ac	1100  100 200				
2.	Paddy	Drudgery in manual weeding Labour Shortage Improper Spacing	Assessing the Performance of weeders in reducing the drudgery	T1- Farmer's practice manual weeding using hand hoe	-	-	-	-	10	8500	<ul style="list-style-type: none"> <li>Man hour required/ac</li> <li>Weed control efficiency</li> <li>Heart rate</li> <li>Fatigue calculation</li> <li>Operating Cost / ha</li> <li>BCR</li> </ul>	Dr.V.Meenakshi Dr.G.Anand
				T2- Improved Dryland Weeder	TNAU, Coimbatore	Improved Dryland Weeder	5	300				
				T3- Erect Standing Posture Grubber Weeder	CIAE, Bhopal	Erect Standing Posture Grubber Weeder	5	1400				

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
3.	Rice	Yield loss and More Pest and Diseases due to dense population	Assessment of mechanical thinning methods in semidry rice	T1-Broad casting of seeds Farmers practice)	-	-	-	-	5	50000 (towards hiring of power rotary weeders)	<ul style="list-style-type: none"> <li>Plant population</li> <li>LAI</li> <li>BCR</li> </ul>	Dr.P.Thukkaiyannan
				T2-Thinning by power rotary weeder in single direction	TNAU	-	-	-				
				T3-Thinning by power rotary weeder in criss cross line	TNAU	-	-	-				
4.	Groudnut	Improper spacing & dense population	Assessment Of Rotary Dibbler in Groundnut	T1- Broad casting (Farmers practice)	-	-	-	-	10	10200	<ul style="list-style-type: none"> <li>Man hour requirement / acre</li> <li>Plant population</li> <li>Plant height</li> <li>LAI</li> <li>Drudgery reduction</li> <li>No of pods / plant</li> <li>Pod yield</li> <li>Pest &amp; disease incidence</li> <li>BC Ratio</li> </ul>	Dr.G.Anand Dr.P.Thukkaiyannan
				T2- Row marker	TNAU	Row Marker	I No.	900				
				T3- CIAE Rotary dibbler	CIAE	Rotary Dibbler	1 No.	2,500				



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
5.	Jasmine	Poor nursery technologies Less success percentage due to disease	Standardization of nursery technology in jasmine	T1- Farmers practice	-	-	-	-	1	5300	<ul style="list-style-type: none"> <li>• Establishment Percentage</li> <li>• Disease incidence scoring</li> <li>• Root length</li> <li>• Shoot length</li> <li>• BCR</li> </ul>	Dr.V.Rajasree Dr.J.Ramkumar
				T2- Pruning lower leaves & row planting +pseudomonas soil application	TNAU CPG' 13	Pseudomonas	1 kg	80				
				T3 - Pruning lower leaves & rowplanting + Dipping in IBA 500 ppm + Soil drenching of carbendazim	TNAU CPG' 13	IBA Carbendazim Secateur	1no 1kg 2 nos	200 150 1000				

#### 8. Technology Refinement during 2014-15

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	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-
	-	-	-	4	-	-	-	-	-	-	-	-

## 9. Frontline Demonstrations during 2014-15

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
9.1	Cereals	Paddy	Early drought resulting in termite attack	Management of harvester termite attack in semidry rice.	Variety	ADT-45	TNAU, CPG - 2012	Quinophos 1.5D Knapsack power Sprayer cum duster (Community unit) Neem cake	20 kg 1 no.	1400 7000 1600	10	30000 + 7000	<ul style="list-style-type: none"> <li>Area coverage by Duster</li> <li>Pest control efficiency</li> <li>Plant population</li> <li>No of termite colony / unit area</li> <li>Grain Yield &amp; BCR</li> </ul>	Dr.J.Ramkumar
		Paddy	Drought due to uncertain rainfall during the monsoon leads to yield loss Stress during Terminal period leads to crop failure	Demonstration of short duration rice variety CO51 in Ramanathapuram district	Variety	-	TNAU	CO (R)51 foundation seeds LCC Pheromone traps @12 / ha (10ha x 12 = 120xRs.50) Stem borer lure @3/trap (360x Rs.40 )	30kg @Rs. 35/kg Rs. 100 /unit	1050 100 6000 14400	25	49150	<ul style="list-style-type: none"> <li>Total crop duration</li> <li>No. of productive tillers / hill</li> <li>Leaf Area Index (LAI)</li> <li>% of disease incidence</li> <li>Disease scroning</li> <li>No. of grains/panicle</li> <li>Panicle length (cm)</li> <li>Test Weight (g)</li> <li>Yield (q/ha)</li> <li>BCR</li> </ul>	Dr.P.Thukkaiyannan

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
	Cereals	Rice	Low yield	Demonstration of TNAU micronutrients mixture (No.X) in rainfed rice	Variety	CO51	TNAU	Micronutrient mixture – (1%) @ 5kg / ha	MN – Mixture	200	10	2000+ 5000 (field day)	<ul style="list-style-type: none"> <li>• Initial soil micro nutrient analysis</li> <li>• MN – Analysis in plant sample</li> <li>• No. of productive tillers / hill</li> <li>• Leaf Area Index (LAI)</li> <li>• % of disease incidence</li> <li>• Disease scoring</li> <li>• No. of grains / panicle</li> <li>• Panicle length (cm)</li> <li>• Test weight (g)</li> <li>• Yield (q/ha)</li> <li>• BCR</li> </ul>	Dr.K.Saravanan Combined with FLD 2.

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
	Fibre crop	Cotton	Yield reduction due to stem weevil attack	Management practices for cotton stem weevil	Variety	SVPR -2	TNAU, CPG - 2012	Seed treatment with chlorpyrifos 20 EC @ 10 ml/kg of seed + drenching collar region with chlorpyrifos 20 EC @ 2.5 ml/lt on 15 & 30 DAS + earthing up.	1 lt	600	20	12000	<ul style="list-style-type: none"> <li>• Per cent plant mortality</li> <li>• No of monopodial / branches</li> <li>• No of sympodial / branches</li> <li>• No of square / plant</li> <li>• No of bolls / plant</li> <li>• Kapas yield &amp; BCR</li> </ul>	Dr.J.Ramkumar
9.2	Millets	Barnyard millet	Low rainfall distribution and frequent drought occurrence leads to crop failure in rice crop  Stress during Terminal period leads to crop failure	Demonstration of Barnyard millet  Co (kv)-2)	Variety	Barnyard millet -Co (kv)-2)	TNAU, 2010	Co-2 seeds	12.5 kg/ha	562.50	10	5625	<ul style="list-style-type: none"> <li>• Plant population</li> <li>• LAI</li> <li>• No. of tillers / hill</li> <li>• Panicle length</li> <li>• Yield (kg/ha)</li> <li>• BCR</li> </ul>	Dr.P.Thukkaiyannan
9.3	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-

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
9.4	Pulses	All pulses	Labour intensive grading and winnowing of pulses & millets Time consumption Health Hazard Poor Quality grain	Demonstration of spiral separator	-	-	CIAE , Bhopal	Spiral Separator (as community Unit)	1	14000	40	14000	<ul style="list-style-type: none"> <li>Relative % of impurities</li> <li>Reduction in man hour</li> <li>Quality of grain</li> </ul>	Dr.V.Meenakshi Dr.R.Durai Singh
	Nutrition	-	Lack of micro nutrient food supplement, limited food alternatives & BPL margin	Sustainable approaches in combating micronutrient malnutrition through community approach	-	-	HSC&RI	Spirulina tank as community unit Spirulina seed Vegetable & green seeds Rose can – 4nos	2500 1000 800	18000	2	18000	<ul style="list-style-type: none"> <li>Vegetable growth &amp; yield parameters</li> <li>Scoring of micro nutrient deficiency symptoms</li> <li>HB level content (30 samples)</li> <li>Anthropometric measurements</li> </ul>	Dr.V.Meenakshi

													<ul style="list-style-type: none"> <li>• Height(cm)</li> <li>• Weight (kg)</li> <li>• Upper arms circumference</li> <li>• BCR</li> </ul>	
9.5	Commercial crops	Coconut	Mortality of the trees & low yield due to pest attack	Demonstration of traps for rhinoceros beetle and red palm weevil	T x D	-	TNAU, CPG-2012	<ul style="list-style-type: none"> <li>• Aggregation trap with lure</li> <li>• Sugarcane molasses or toddy</li> <li>• Acetic acid</li> <li>• Yeast</li> <li>• Mudpot</li> </ul>	2nos/ha-RB & RP W	850 (twice)	15	33225	<ul style="list-style-type: none"> <li>• No of insects trapped /trap/day</li> <li>• No of affected fronds after the treatments</li> <li>• No of larvae collected / fortnight</li> <li>• BCR</li> </ul>	Dr.J.Ramkumar
9.6	Horticultural crops	Tube rose	For year round production Alternative crop for jasmine	Demonstration of tuberose in Ramanathapuram district.	Prajwal Vaibhav	-	IIHR	Tuberose bulbs Bulb Treatment with carbendazim	100 kg	11000	5	55000	<ul style="list-style-type: none"> <li>• Plant growth parameters</li> <li>• Duration of flowering</li> <li>• No of flower / spike</li> <li>• Total flower yield (kg)</li> <li>• BCR</li> </ul>	Dr.V.Rajasree Dr.J.Ramkumar

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
		Cucumber	Poor production technologies Low yield	Improved production technologies in cucumber and mithipagal	Local	-	TNAU	<ul style="list-style-type: none"> <li>Etherel</li> <li>IIHR, Vegetable special</li> </ul>	100ml 5 kg	200 600	10	8000	<ul style="list-style-type: none"> <li>Male:female ratio</li> <li>No of fruits / vine</li> <li>Total yield / ac</li> <li>BCR</li> </ul>	Dr.V.Rajasree Dr.J.Ramkumar
		Chilli	Low yield High cost involved in plant protection measures	Integrated Crop management practices for Ramanathapuram local mundu chilli.	Local	-	TNAU, IIHR	<ul style="list-style-type: none"> <li>Imidacloprid</li> <li>Fenpyroximate</li> <li>Triacotanolan</li> <li>Vegetable special</li> </ul>	120 ml/ac (2spray) 400 ml/ac (2spray) 1 lt (4 sprays) 0.5%	200 800 600 150	10	17500	<ul style="list-style-type: none"> <li>Plant growth parameters</li> <li>Sucking pest population per leaf</li> <li>No. of flower and fruits per plant</li> <li>Yield</li> <li>BCR</li> </ul>	Dr.J.Ramkumar Dr.V.Rajasree
9.7	Livestock	Azolla	Lack of availability of green fodder and green manure	Curtailling Non-Availability Of Green Fodder Through Introduction Of Azolla	TNAU variety	-	TNAU	<ul style="list-style-type: none"> <li>Azolla seeds</li> <li>Silpaulin sheet</li> </ul>	2 kg 2 nos	40 3600	10	15000	<ul style="list-style-type: none"> <li>Daily Milk yield</li> <li>BCR</li> <li>Skin texture.</li> </ul>	Dr.G.Anand Dr.K.Saravanan

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
		Poultry birds	Lack of knowledge on management of Newcastle disease in poultry birds	Oral pellet vaccine for newcastle disease in village chicks	-	-	TANU VAS	Administration of oral pellet vaccine	20 doses / bird	40	250 birds	10000	<ul style="list-style-type: none"> <li>Egg laying capacity</li> <li>Weekly weight</li> </ul>	Dr.G.Anand Dr.R.Durai Singh
		Cow	Low milk yield in milch cows due to poor mineral supplementation	Supplementation of enriched paddy straw blocks for low yielding milch animals	-	-	TANU VAS	Enriched paddy straw blocks Paddy straw block machine	200 1	30 35000	100 animals	41000	<ul style="list-style-type: none"> <li>Daily milk yield</li> <li>Skin texture</li> <li>BCR</li> </ul>	Dr.G.Anand Dr.R.Durai Singh
9.8	Fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
9.9	Others		Special programme	Low cost and portable micro irrigation model for farm ponds and shallow water areas in Ramanathapuram district	-	-	-	Cost of MPS Cost of PVC pipe & Fittings: Rs.5000 Cost of Lateral tube (Inline) 3350 m @Rs.7/m: Rs.23450 Take off, End cap and Joiner: Rs.1500 Fitting charges: Rs.1000 Over Head Tank (1000Lit)+ Stand: Rs.750	-	-	1	38450	Irrigation water quantification and efficiency studies	Dr.P.Thukkaiyannan Dr.K.Saravanan



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
		<i>Prosopis juliflora</i>	Low Cultivable Area	Mechanical Eradication of <i>Prosopis juliflora</i> in Ramanathapuram district – A pilot model	-	-	-	Hire charge for Bulldozer @ Rs.1000 per hour Labour @ Rs.500 per day Chemical eradication	-	100000 30000 5000	1	135000	Increase in % of Cultivable Area	Dr.P.Thukkaiyannan Dr.R.DuraiSingh
		Sea weed cultivation	Low income Coastal Resources	Sea weed cultivation	-	-	-	Raft and other material with seed : 1500 Number of Rafts per cluster : 45 Expenditure for 1 cluster Rs.67500	1	1	1	67500	Additioanl Income generated	Dr.R.DuraiSingh
		IFS	Low income Low yield Low Soil Organic content	IFS	-	-	-	Fish,Fodder Turkey Duck Azolla	-	-	1	50000	<ul style="list-style-type: none"> <li>• Additional Income generated</li> <li>• Performance of each componenet</li> <li>• BCR</li> </ul>	Dr.G.Anand Dr.V.Meenakshi

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
		FFS	FFS	Integrated Crop Management in Coconut & Recycling coconut fronds to improve soil organic carbon and nut yield	T X D	-	TNAU	<ul style="list-style-type: none"> <li>• MN-mixture</li> <li>• Microbial culture</li> <li>• Fertilizer</li> <li>• Cowdung</li> <li>• Lime stone powder</li> <li>• Labour cost</li> <li>• Shredder</li> </ul>	-	-	1	40000	<ul style="list-style-type: none"> <li>• Soil organic carbon levels</li> <li>• Nut yield after one year</li> <li>• BCR</li> </ul>	Dr.J.Ramkumar Dr.K.Saravanan

## 10 Training for Farmers/ Farm Women during 2014-15

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	Weed problem	OFT	Integrated weed management practices in rice	1	50	Dr.P.Thukkaiyannan Dr.K.Saravanan
10.2	Horticulture Production	Jasmine	Poor nursery technologies	OFT	Nursery technology in jasmine	2	40	Dr.V.Rajasree Dr.J.Ramkumar
		Cucumber	Poor yield	FLD	Production technologies on cucumber	3	60	Dr.V.Rajasree Dr.J.Ramkumar
		Tuberose	New introduction	FLD	Tuberose production technology	4	80	Dr.V.Rajasree
		Roof Gardening	Nutritional insecurity	FLD	Roof Gardening for Nutritional Security	2	50	Dr.V.Rajasree
		Tomato	Off Season production for more price	OFT	Shadenet cultivation of Tomato	2	50	Dr.V.Rajasree
		Chilli	Sucking pest incidence & flower dropping	FLD	Improved management practices for mundu chilli	3	60	Dr.J.Ramkumar Dr.V.Rajasree

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
10.3	Livestock Production	Livestock management	Lack of technical know how	HRD/ Capacity building	1) Artificial insemination 2) Vaccination Scheduling 3) Slatted floor goat rearing 4) Composite fish farming 5) Poultry production	10	200	Dr.G.Anand, Asst. Prof. (Agrl. Extn.) Dr.Meenakshi, Asst. Prof. (Home Science) Dr.Kanagaraj, Asst. Prof. (VURTC)
10.4	Home Science	Coconut	Drudgery in harvesting Labour Shortage	FLD	Post harvest and Processing of Coconut	2	75	Dr.V.Meenakshi Dr.G.Anand
		Chilli	Shorter shelf life of Chillies, Glut in season & lack of Technical know –how on Ramnad Special Mundu chilli	Training	Post harvest and Processing of Chilli	2	75	Dr.V.Meenakshi Dr.G.Anand

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
10.5	Plant Protection	Paddy	Harvester termite attack	FLD	Pest and disease management in rice	2	40	Dr.J.Ramkumar
		Coconut	Incidence of rhinoceros beetle & red palm weevil attack	FLD	Pest and disease management in coconut – identification of pest and their breeding site, root feeding & bordeaux mixture preparation	2	40	
		Cotton	Plant mortality due to stem weevil attack	OFT	IPM practices for cotton pest	2	40	
10.6	Production of Inputs at Site	Potting media	poor quality seedlings	Training	Generation of Potting media from coir pith waste	1	20	Dr.K.Saravanan
10.7	Soil Health and Fertility	Coconut Horticultural crops	Poor soil organic matter status	FLD	Enriched bio compost from organic wastes	2	40	Dr.K.Saravanan

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
10.8	PHT and value addition	Millet	Lack of Knowledge on value addition, low market price, food & nutrition insecurity	Training	Branding and marketing of value added millet products	1	30	Dr.V.Meenakshi Dr.G.Anand
10.9	Capacity Building Group Dynamics	Exposure visit	Non availability of adequate organic manure	Field Visit	Large scale organic input generation units	3	120	Dr.K.Saravanan
10.10	Farm Mechanization	Paddy	Low yield	Training	Maintenance of farm equipments and machinaries	1	40	Dr.P.Thukkaiyannan
10.11	Fisheries Production Technologies	Composite fish culture	Single culture rearing	Training	Composite fish culture Technology	1	25	Dr.G.Anand Dr.V.Meenakshi
10.12	Mushroom production	Milky mushroom	Lack of Knowledge on mushroom production	Training	Milky mushroom	1	20	Dr.J.Ramkumar
10.13	Agro forestry	-	-	-	-	-	-	-

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
10.14	Bee Keeping	Coconut	Poor pollination & low yield	Training	Honeybee rearing techniques in coconut garden	1	20	Dr.J.Ramkumar
10.15	Sericulture	-	-	-	-	-	-	-
	Others, pl. specify	Fish	Lack of knowledge	Training	Value addition in fish	2	50	Dr.V.Meenakshi

### 11. Training for Rural Youth during 2014-15

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	Cotton	Weed problem	OFT	IWM in cotton	5	250	Dr.P.Thukkaiyannan Dr.K.Saravanan
		Cotton & vegetables	Water scarcity	FLD	Irrigation technologies in commercial crops & vegetables	5	250	Dr.P.Thukkaiyannan Dr.K.Saravanan Dr.V.Rajasree
11.2	Horticulture Production	Roof gardening	Lack of technical know how	FLD	Roof gardening	4	80	Dr.V.Rajasree

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
11.3	Livestock Production	Livestock management	Lack of technical know how	HRD/ Capacity building	1) Artificial insemination 2) Vaccination Scheduling 3) Slatted floor goat rearing 4) Composite fish farming 5) Poultry production	5	100	Dr.G.Anand, Dr.Meenakshi, Dr.Kanagaraj, Asst. Prof. (VURTC)
11.4	Home Science	Coconut	Drudgery in harvesting Labour Shortage	FLD	Post harvest and Processing of Coconut	1	50	Dr.V.Meenakshi Dr.G.Anand
	Home science	Millet	Lack of Knowledge on value addition, low market price, food & nutrition insecurity	FLD	Branding and marketing of value added millet products	1	50	Dr.V.Meenakshi Dr.G.Anand
		Palm	Lack knowledge on palm products	Training	Preparation of Palm products	2	50	Dr.V.Meenakshi Dr.G.Anand



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
			preparation					
11.5	Plant Protection	Paddy	Harvester termite attack	FLD	Effective usage of plant protection equipments	2	40	Dr.J.Ramkumar
11.6	Production of Inputs at Site	Potting media	poor quality seedlings	Training	Generation of Potting media from coir pith waste	1	20	Dr.K.Saravanan
11.7	Soil Health and Fertility	Coconut Horticultural crops	Poor soil organic matter status	FLD	Enriched bio compost from organic wastes	1	20	Dr.K.Saravanan
11.8	PHT and value addition	Millet	Lack of Knowledge on value addition, low market price, food & nutrition insecurity	Training	Branding and marketing of value added millet products	1	40	Dr.V.Meenakshi Dr.G.Anand
11.9	Capacity Building Group Dynamics	Cotton Coconut & vegetables	-	OFT, FLD	Exposure visit	2	100	Dr.P.Thukkaiyannan Dr.K.Saravanan Dr.V.Rajasree
11.10	Farm Mechanization	Paddy	Low yield	OFT	Farm machinaeries used in rice	1	20	Dr.P.Thukkaiyannan

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
					cultivation			
11.11	Fisheries Production Technologies	Composite fish culture	Single culture Rearing	Training	Composite fish Culture	1	20	Dr.G.Anand Dr.V.Meenakshi
11.12	Mushroom production	Milky mushroom	Lack of Knowledge on Milky Mushroom production technologies	Training	Milky Mushroom production technologies	1	20	Dr.J.Ramkumar
11.13	Agro forestry	-	-	-	-	-	-	-
11.14	Bee Keeping	Coconut	Poor pollination & low yield	Training	Honeybee rearing techniques in coconut garden	1	20	Dr.J.Ramkumar
11.15	Sericulture	-	-	-	-	-	-	-
	Others, pl. specify	Farmers organisation	Un-organised farming & marketing	HRD/ Capacity building	Formation of farmers clubs or commodity clubs	6	150	Dr.G.Anand, Th.C.Karunaithasan
		E-Extension services	Lack of Knowledge on ICT enabled farm extension	HRD/ Capacity building	1) Expert system handling 2) Usage of TNAU agri-portal 3) Weather based crop production & management 4) Usage of mobile	4	100	Dr.G.Anand Dr.P.Thukkaiyannan Th.C.Karunaithasan

			services		based agro- advisoryservices			
--	--	--	----------	--	---------------------------------	--	--	--

### 12 Trainings for Extension Personnel during 2014-15

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	IWM in cotton	1	25	Dr.P.Thukkaiyannan
		Irrigation technologies in commercial crops & vegetables	1	25	Dr.K.Saravanan Dr.V.Rajasree
		Integrated weed management practices in rice	1	25	
12.2	Home Science	Coconut Post harvest and Processing	1	25	Dr.V.Meenakshi Dr.V.Rajasree Dr.G.Anand
		Quality Assurance - Food Safety and Standards Authority of India	1	50	Dr.V.Meenakshi Dr.G.Anand
12.3	Capacity Building and Group Dynamics	-	-	-	-
12.4	Horticulture	Tuberose production technologies	1	25	Dr.V.Rajasree
12.5	Livestock Production & Management	-	-	-	-
12.6	Plant Protection	IPM in coconut	1	25	Dr.J.Ramkumar

12.7	Farm Mechanization	-	-	-	-
<b>S.No.</b>	<b>Thematic area</b>	<b>Training Course Title**</b>	<b>No. of Courses</b>	<b>Expected No. of participants</b>	<b>Names of the team members involved</b>
12.8	PHT and value addition	Coconut Post harvest and Processing	1	25	Dr.V.Meenakshi Dr.V.Rajasree Dr.G.Anand
12.9	Production of Inputs at Site	Generation of Potting media from coir pith waste	1	25	Dr.K.Saravanan
12.10	Sericulture	-	-	-	-
12.11	Fisheries	Composite fish farming in farm ponds	1	20	Dr.G.Anand

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

### 13 Vocational trainings during 2014-15

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 if any	Names of the team members involved
13.1	Crop Production	-	-	-	-	-	-
13.2	Home Science	Coconut Products for self employment	1 nos 7 days	SHGs, NYKs	50	ICAR	Dr.V.Meenakshi Dr.G.Anand
13.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
13.4	Horticulture	Nursery techniques in vegetables	1	SHGs, Women	20	ICAR	Dr.V.Rajasree Dr.R.Duraisingh
13.5	Livestock Production & Management	IFS	3 days	Farmers & Farm women	20	ICAR	Dr.V.Meenakshi Dr.G.Anand
13.6	Plant Protection	Milky Mushroom production technologies	1	SHGs, Women, youth	20	ICAR	Dr.J.Ramkumar Dr.P.Thukkaiyannan

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 if any	Names of the team members involved
13.7	Farm Mechanization	Maintenance of farm equipments and machinaries	3 days	NYK volunteers	30	NYK/KVK	Dr.G.Anand Dr.Meenakshi
13.8	PHT and value addition	Millet Products for self employment	1 nos 7 days	SHGs, NYKs	50	ICAR	Dr.V.Meenakshi Dr.G.Anand
13.9	Production of Inputs at Site	Production of bio-manures & composting	3 days	NYK volunteers	20	NYK / KVK	Dr.G.Anand Dr.K.Saravanan
		Production of bio-fertilizers	3 days	SHG	20	KVK	Dr.G.Anand Dr.K.Saravanan
13.10	Sericulture	-	-	-	-	-	-
13.11	Fisheries	-	-	-	-	-	-

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

**14 Sponsored trainings during 2014-15**

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	Entrepreneurial Activity - Millet Products	1no 7 days	SHGs,	25	NABARD	Dr.V.Meenakshi Dr.G.Anand
14.3	Capacity Building and Group Dynamics	Enterprenuership Development Programme for NABARD Farmers Clubs	5 days	NABARD Farmers' Club	50	NABARD	Dr.G.Anand, Dr.Meenakshi
14.4	Horticulture	-	-	-	-	-	-
14.5	Livestock Production & Management	-	-	-	-	-	-
14.6	Plant Protection	-	-	-	-	-	-

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 if any	Names of the team members involved
14.7	Farm Mechanization	Maintenance of farm equipments and machinaries	3 days	NYK vounteers	30	NYK	Dr.G.Anand Dr.Meenakshi
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.



### 15. Extension programmes during 2014-15

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	420	550	Dr.R.Durai Singh Dr.P.Thukkaiyannan Dr.V.Rajasree Dr.J.Ramkumar Dr.K.Saravanan Dr.G.Anand Dr.V.Meenakshi
15.2	Diagnostic visits	120	150	
15.3	Field Day	20	700	
15.4	Group discussions	50	100	
15.5	Kisan Ghosthi	-	-	
15.6	Film Show	50	Mass	
15.7	Self -help groups	22	630	
15.8	Kisan Mela	-	-	
15.9	Exhibition	2	Mass	
15.10	Scientists' visit to farmers field	365	750	
15.11	Plant/Soil health/Animal health camps	4	Mass	
15.12	Farm Science Club	-	-	
15.13	Ex-trainees Sammelan	-	-	
15.14	Farmers' seminar/workshop	2	200	

15.15	Method Demonstrations	60	Mass	
15.16	Celebration of important days	-	-	
15.17	Special day celebration	-	-	
15.18	Exposure visits	2	100	
15.19	Technology week,	-	-	
15.20	FFS	1	30	
15.21	Farm innovators meet	-	-	
15.22	Awareness programs	2	Mass	
	Others, pl. specify			

## 16. Activities proposed as Knowledge and Resource Centre during 2014-15

### 16.1 Technological knowledge :

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria			
16.1.2	Demonstration Units	Shadenet nursery	200 m <sup>2</sup>	Dr.V.Rajasree
		Food Processing, Spawn Unit	26 m <sup>2</sup>	Dr.V.Meenakshi Dr.J.Ramkumar
		Goat shed	24m <sup>2</sup>	Dr.P.Thukkaiyannan
16.1.3	Lab Analytical services	Soil test based fertilizer recommendation	100 samples	Dr.K.Saravanan Th.C.Karunaithasan
16.1.4	Technology Week	Agro allied components	-	All the service providers of Ramanathapuram

## 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	KVK - Revolving Fund	Chilli seedlings	50,000	Dr.V.Rajasree
16.2.3	Bio-products	KVK - Revolving Fund	Vermi compost	50 qtl/yr	Dr.K.Saravanan Th.C.Karunaitasan
16.2.4	Livestock strains - Poultry birds	KVK in counsultation with VURTC	Chicks	5,000	Dr.G.Anand Dr.Meenakshi
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	-	Dr.R.Durai Singh Dr.P.Thukkaiyannan Dr.V.Rajasree Dr.J.Ramkumar Dr.K.Saravanan Dr.G.Anand Dr.V.Meenakshi
	Agriculture	10	
	Horticulture	5	
	Animal Husbandry	2	
	Fisheries	1	
	Agricultural Engineering	3	
	Sericulture	-	
	Others, pl. specify	-	
16.3.2	Literature/publication	90	
16.3.4	Electronic Media	E-News letter will be prepared in biliungal form for the benefit of farmers & officials	Dr.G.Anand Th.C.Karunaithasan
16.3.5	Kisan Mobile Advisory Services	District level progressive/innovative farmers telephone directory will be prepared crop wise for extending mobile based farm service using Govt. Farmers' SMS Portal	Dr.G.Anand, Th.C.Karunaithasan
16.3.6	Information on centre/state sector schemes and service providers in the district.	One number of detailed s of various service providers will be collected with contact number, address and respective schemes/service/activities details and will be prepared in	Dr.G.Anand Th.C.Karunaithasan

## 17. Additional Activities Planned during 2014-15

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	NABARD	Enterprenuership Development Programme for NABARD Farmers Clubs	Enterprenuership programmes relavent to horticulture , vertinary and value addition	30000	Dr.G.Anand, Asst. Prof. (Agrl. Extn.) Dr.Meenakshi, Asst. Prof. (Home Scienme) Dr.V.Rajashree, Asst. Prof. (Horticulture) Dr.Kanagaraj, Asst. Prof. (VURTC)

## 18. Revolving Fund

### 18.1 Financial status

Opening balance as on 01.04.2013 (Rs.in Lakh)	Expenditure incurred during 2013-14 (Rs.in Lakh)	Receipts during 2013-14 (Rs.in Lakh)	Closing balance as on 31.01.2014 (Rs.in Lakh)	Expected closing balance by 31.01.2014 (Including value of material in stock)
275590	20000	41579	297169	297169

## 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	Small size Hatchery unit	Quality breed chicks can be introduced at lower cost and need based manner	Rs.1,00,000 per annum (Sale of day old chick @ Rs.20/chick) with annual production of 5,000 chicks	Dr.G.Anand, Asst. Prof. (Agrl. Extn.) Dr.Meenakshi, Asst. Prof. (Home Scienme) Dr.Kanagaraj, Asst. Prof. (VURTC)

## 19. Activities of soil, water and plant testing laboratory during 2014-15

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	100	Dr.K.Saravanan Th.C.Karunaithasan
19.2	Water	100	Dr.K.Saravanan Th.C.Karunaithasan
19.3	Plant	-	-
19.4	Others	-	-

**20. E-linkage during 2014-15**

<b>S. No</b>	<b>Nature of activities</b>	<b>Likely period of completion (please set the time frame)</b>	<b>Remarks if any</b>
20.1	Video conferencing module for paddy, coconut and chilli.	December'2014	The KVK centre will be linked with E-extension centre of TNAU for supporting video conferencing modules.
20.2	Webpage of KVK Ramanathapuram will be upgraded from english version to varnacular form (Tamil version)	December'2014	At present the KVK web page is browsed by officials / learned persons alone. Inorder to enhance the usage the web page will be upgraded in bilingual format with english and tamil version.
20.3	Any other (Please specify) – Touch screen kiosk	December'2014	The touch screen system available with the centre will be enabled with TNAU expert system for coconut, paddy, Ragi.
20.4	Farm Agro Advisory services through mobile SMS	February'2015	Beside regular e-extension activity farmers will be provided agro advisory services through mobile SMS by creating mobile phone directory covering progressive / innovative farmers across the district.



**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	Rainwater harvester installed in farmer's hostel.	-

**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	October'2014
22.3	Brief action plan in this regard	The innovators / ITK farmers will be called upon to KVK during the month of October'2014 and innovator-scientist –line departments – financial institutions interaction will be organized.

**23. Farmer's Field School planned**

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Crop Production & Management	FFS on ICM in Coconut	50000

**24.Budget - Details of budget utilization (2013-14)**

**(Rs.)**

<b>S. No.</b>	<b>Particulars</b>	<b>Sanctioned</b>	<b>Released</b>	<b>Expenditure</b>
<b>24.1</b>	<b>Recurring Contingencies</b>			
24.1.1	<b>Pay &amp; Allowances</b>	7300000		8313568
24.1.2	<b>Traveling allowances</b>	150000		137400
24.1.3	<b>Contingencies</b>			
24.1.4. <i>I</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	215000		241030
<i>B</i>	POL, repair of vehicles, tractor and equipments	182000		182756
<i>C</i>	Meals/refreshment for trainees	50000		47550
<i>D</i>	Training material	40000		38000
<i>E</i>	Frontline demonstration except oilseeds and pulses	270000		225000
<i>F</i>	On farm testing	50000		37500
<i>G</i>	Training of extension functionaries	25000		24090
<i>H</i>	Maintenance of buildings	25000		17000
<i>I</i>	Extension Activities	30000		29600

<i>J</i>	Library	5000	7267187	4700
<i>K</i>	Farmer's Field School (FFS)	28000		27100
<b>24.1</b>	<b>Total Recurring</b>	<b>920000</b>		<b>874326</b>
<b>24.2</b>	<b>Non-Recurring Contingencies</b>			
24.2.1	<b>Works</b>	<b>1830000</b>		-
24.2.2	<b>Equipments including SWTL &amp; Furniture</b>			
24.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
24.2.4	<b>Library</b>			
<b>24.2</b>	<b>Total Non Recurring</b>			
<b>24.3</b>	<b>REVOLVING FUND</b>			
<b>24.4</b>	<b>GRAND TOTAL (A+B+C)</b>	<b>10200000</b>		<b>9325294</b>

## 25.Details of Budget Estimate (2014-15) based on proposed action plan

S.No.	Particulars	BE 2014-15 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	9500000
25.1.2	Traveling allowances	250000
25.1.3	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	300000
B	POL, repair of vehicles, tractor and equipments	300000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	100000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	398100
F	FLD on special programme	320950
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	162500
H	Training of extension functionaries	75000
I	Maintenance of buildings	75000
J	Extension Activities	75000

<i>K</i>	Farmer's Field School	<b>30000</b>
<i>L</i>	Library	<b>10000</b>
<i>25.1</i>	<b>TOTAL Recurring Contingencies</b>	<b>1946550</b>
<b>25.2</b>	<b>Non-Recurring Contingencies</b>	
25.2.1	<b>Works</b>	
	Fencing cum boundary wall in farm	<b>259000</b>
	Wooden platform in meeting hall	<b>75000</b>
25.2.2	<b>Equipments including SWTL &amp; Furniture</b>	
	Wi-Fi Networking	<b>150000</b>
	Tractor and Accessories	<b>800000</b>
	Public addressing system with ITC	<b>100000</b>
	Andriod version tablets	<b>50000</b>
	Food processing lab	<b>800000</b>
	Modernization of conference hall	<b>400000</b>
	LED display unit	<b>100000</b>
25.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	<b>14169000</b>
	Honda – Scooter – 1 no	<b>75000</b>

25.2.4	<b>Library</b> (Purchase of assets like books & journals)	
<b>25.2</b>	<b>TOTAL Non-Recurring Contingencies</b>	<b>2809000</b>
<b>25.3</b>	<b>REVOLVING FUND</b>	-
<b>25.4</b>	<b>GRAND TOTAL</b>	

-----XXXXXXXX-----