

## ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

### PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 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 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> , January'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.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	<b>Vacant</b>	-	-	-	-	<b>Vacant</b>
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	<b>Vacant</b>	-	-	-	-	<b>Vacant</b>
2.11	Accountant/Superintendent	Mr.M.Venugopal	-	15600-39100	5400	23.07.14	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. R.Siddharthan	-	9300-34800	4200	16.06.14	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 2015-16
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 varieties ADT(R) 48 and CO(R)51 are being evaluated in Frontline Demonstration.	2 <sup>nd</sup> fortnight of September'2015
2.	Tamil Nadu Agricultural University,Coimbatore	Linkage should be made for introducing CO-4 to the beneficiaries of Dept. of Animal Husbandry	CO-4 CN fodder grass component is included in IFS Special Programme. The same will be popularized in 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 are 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 2015-16
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.	2 <sup>nd</sup> fortnight of September'2015
8.		Mr.Ramu, Milky mushroom producer of Thiruvadanaï can be used as Resource person in TNAU	On campus training was conducted on milky mushroom production using Mr.Ramu as 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 demonstration 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 on mushroom production, honey bee rearing and vermicomposting 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 and roto till seed drill has been imparted to farmers, tractor drivers and rural youth during 2014-15. The same programme will be conducted in the ensuing season.	2 <sup>nd</sup> fortnight of September'2015
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 executed before the commencement of NE monsoon, 2015.	
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 2015-16

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Advances in Micro Irrigation for improving Water use efficiency	ICAR	For advocating efficient Micro irrigation technologies under rainfed and tank fed irrigation areas.
4.1.2	Machinery for conservation agriculture and crop residue management	ICAR	Benefits and challenges in residue management through machineries needs demonstrations and up scaling among farmers.
4.1.3	Agricultural Project Planning and Management	MANAGE, Hyderabad	Awareness on formulation and implementation of viable agricultural projects is essential for the KVK staff to advise and motivate eligible youth to venture into profitable agricultural projects.
4.1.4	Value addition of millets	CICPT, Tanjavur / CFTRI, Mysore	For promoting value addition and entrepreneurial activity in millets to improve net returns for millets growing farmers.
4.1.5	Food Colours – Natural & Synthetic	CFTRI, Mysore	Awareness on Food colours is an important aspect to be given wide publicity as the use of food colours at present is without rational by people. Hence for promoting Natural Food colours this short term training is essential.

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.6	Entrepreneurial development programme on Commercial Dairy Farming	NDRI, Karnal	For promoting Entrepreneurial activity in processing of milk and preparation of milk products, understanding the basics of dairy farming is essential.
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	Trends in Agricultural Marketing Information Systems	MANAGE, Hyderabad	Updating recent trends in agricultural marketing information may enhance the performance of service to the farming community.
4.1.9	Climate Change and Agriculture	MANAGE, Hyderabad	The future of agriculture is dependent on climatic resilient agriculture hence training on climate resilient agriculture will help to serve farmers better by advocating suitable and relevant climate mitigating strategies.
4.1.10	ERNET training	ICAR institution/ TNAU	The training will be effective for e-learning & database management
4.1.11	Milky mushroom training	ICAR institution/ TNAU	The training will be useful to update recent developments in milky mushroom cultivation and for effective utilization of farm by-products to provide additional income to farming community.
4.1.12	Mass production of biocontrol agents at farmer's level	NIPHM, Hyderabad	To motivate the farmers towards eco-friendly method of pest management and to educate on income generation to farmer through marketing of bio-control agents.



#### 4.2. Cross-learning across KVKs during 2015-16

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 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	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
5.5	Needamanagalam, Thanjavur	Demo units & Improved Rice production technologies	Technical expert

## 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	<ul style="list-style-type: none"> <li>• Uneven population under manual broadcasting</li> <li>• Imbalanced resource utilisation</li> <li>• Poor seed placement, germination and growth</li> <li>• Delayed, uneven establishment and maturity</li> <li>• Lesser yield and returns from rice crop</li> </ul>	120000	Manjoor Muthusellapuram	OFT - Evaluation of Roto Till Seed Drill for sowing Rain-fed Paddy
6.2	Paddy	<ul style="list-style-type: none"> <li>• Yield loss due to terminal drought &amp; false smut</li> <li>• Heavy seed usage</li> <li>• Attitude towards very fine rice cultivation</li> </ul>	120000	Manjoor Muthusellapuram	OFT – Assessment of fine grain rice varieties in Ramanathapuram.
6.3	Cotton	<ul style="list-style-type: none"> <li>• Sucking pest incidence – thrips, jassids. whitefly and mealybug</li> <li>• Poor germination due to drought</li> </ul>	1500	Pukkulam Peraiyur Achankulam Eluvanoor	OFT-Assessment of cotton varieties for drought and biotic stress

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.)*
6.4	Rice	<ul style="list-style-type: none"> <li>Drought occurrence during different crop stages of rice crop (Early, Vegetative and Terminal)</li> </ul>	80000	Manjoor Muthusellapuram	FLD - Different drought management techniques in rice crop
6.5	Barnyard millet	<ul style="list-style-type: none"> <li>Non suitability of commercial parboiling unit</li> <li>Poor dehulling efficiency</li> <li>Poor yield of parboiled rice</li> <li>Low returns due to non availability of processing machineries</li> </ul>	1500	Pukkulam Peraiyur Achankulam Eluvanoor	FLD - Value addition techniques in Kuthiraivalli for getting higher returns
6.6	Paddy	<ul style="list-style-type: none"> <li>Harvester termite attack due to intermittent drought during crop period</li> </ul>	1500	Manjoor Muthuchellapuram Manjakollai	FLD-Management of Harvester termite by dusting through Knapsack power sprayer in semi dry rice
6.7	Chillies	<ul style="list-style-type: none"> <li>Sucking pest problem – Thrips, Aphids &amp; Mites</li> <li>Anthraxnose incidence</li> </ul>	7000	Manjoor Muthuchellapuram Manjakollai	FLD- IPDM Practices in Mundu Chilli
6.8	Groundnut	<ul style="list-style-type: none"> <li>Poor pod setting &amp; filling</li> <li>Leaf miner and root grub incidence</li> <li>Leaf spot incidence</li> <li>Low yield</li> </ul>	5000	Therkuvaniveethy Manchakollai, Agramesi	FLD- Improved ICM practices in groundnut

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.)*
6.9	Coconut	<ul style="list-style-type: none"> <li>Lack of green grass fodder</li> <li>Under utilization of coconut gardens</li> <li>Yield loss due to pest and nutritional deficiency.</li> </ul>	9000	Therkuvaniveethi	FLD- Popularization of suitable multi-cut fodder grass for coconut grooves
6.10	Cluster bean	<ul style="list-style-type: none"> <li>Less cluster bean cultivation among the vegetable growing farmers</li> <li>Dependent of vegetables from other districts</li> </ul>	4000	Manjoor Manjakollai	FLD – Demonstration of MDU 1 Cluster bean variety introduction
6.11	Coconut	<ul style="list-style-type: none"> <li>Yield loss due to pest and nutritional deficiency.</li> </ul>	9000	Therkuvaniveethi	FLD - Yield Maximization Practices in Coconut
6.12	Fodder	<ul style="list-style-type: none"> <li>Non availability of fodder during non crop season</li> </ul>	150000	Manjoor	FLD - Popularization of Indoor fodder production using fodder cultivation chamber
6.13	Ragi	<ul style="list-style-type: none"> <li>Low yield due to poor performance of local cultivars</li> <li>Poor Yield due to road side threshing</li> <li>Lack of threshing facility</li> </ul>	2000	Pukkulam Peraiyur Achankulam Eluvanoor	FLD – Introduction of Ragi CO-15 and Ragi thresher for drudgery reduction
6.15	Paddy	<ul style="list-style-type: none"> <li>Habitual Fertilizer P application without logic/soil test</li> <li>Routine use of DAP - a high analysis P fertilizer</li> <li>High fertilizer cost</li> <li>Low fertilizer use efficiency</li> </ul>	100000	Manjoor, Muthusellapuram	FLD – Improved Fertilizer P Sources for Rainfed Rice.

<b>S.No.</b>	<b>Major crops &amp; enterprises being practiced in cluster villages</b>	<b>Prioritized problems in these crops/ enterprise</b>	<b>Extent of area (Ha/No.) affected by the problem in the district</b>	<b>Names of Cluster Villages identified for intervention</b>	<b>Proposed Intervention (OFT, FLD, Training, extension activity etc.)*</b>
6.16	FFS	Low yield and Low income	7000	Perunkulam	Integrated Crop Management in Groundnut
6.17	IFS	Low crop yields, poor soil health, inefficient and under utilization of resources and low farm income.	-	Thirupullani	IFS for Rainfed Ecosystem

## 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	
1.	Rice	<ul style="list-style-type: none"> <li>Yield loss due to Terminal Drought</li> <li>Yield loss due to False smut</li> <li>Heavy seed rate usage</li> <li>Attitude towards very fine rice cultivation</li> </ul>	Assessment of fine grain rice varieties in Ramanathapuram	FP - Use of BPT 5204 long duration rice variety (hand sowing)	ANGNRU	<ul style="list-style-type: none"> <li>BPT 5204 seed</li> </ul>	15 kg	450	5	11750	<ul style="list-style-type: none"> <li>Germination %</li> <li>Plant height (30,60 &amp; 90 DAS)</li> <li>No of tillers per hill</li> <li>Pest and Disease incidence (Blast &amp; False smut)</li> <li>Panicle length</li> <li>1000 gw</li> <li>Yield and Economic</li> </ul>	Dr.P.Thukkaiyannan Dr.K.Saravanan	
				RP - Seed drill sowing of Co (R) 51 rice variety	TNAU	<ul style="list-style-type: none"> <li>Co (R) 51 seed</li> <li>TKM 13 seed</li> </ul>	15 kg	450					
				AP - Seed drill sowing of TKM 13 rice variety	TNAU	<ul style="list-style-type: none"> <li>NLR 34449</li> <li>Stem borer and Leaf folder pheromone traps</li> </ul>	15 kg	450					
				AP 1- Seed drill sowing of NLR 34449 rice variety	ANGNRU		10 nos	550					
2.	Paddy	<ul style="list-style-type: none"> <li>Uneven population under manual broadcasting</li> <li>Imbalanced resource utilization</li> <li>Delayed, uneven establishment and maturity</li> <li>Poor seed placement and germination</li> </ul>	Evaluation of Roto till seed drill for sowing semi dry paddy	FP- Sowing by manual broadcasting	-	-	-	-	5	14000	<ul style="list-style-type: none"> <li>Population</li> <li>Vigour Index</li> <li>Yield</li> <li>Economics</li> </ul>	Dr.K.Saravanan Dr.R.Duraisingh	
				RP- Sowing by seed drill	TNAU	Seed drill hiring charges @Rs800/hr for 1.0 acre							
				AR- Sowing by Roto till seed drill	HAU, Chandigarh	Roto till seed drill hiring charges @Rs800/hr for 1.0 acre	Hiring hours: 3.5	2800					

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.	Cotton	<ul style="list-style-type: none"> <li>Sucking pest incidence – thrips, jassids, whitefly and mealybug</li> <li>Poor germination due to drought</li> </ul>	Assessment of cotton varieties for drought and biotic stress	FP-Cultivation of MCU-7	-		-	-	5	15700	<ul style="list-style-type: none"> <li>Sucking pest count</li> <li>Incidence of other pest</li> <li>Plant height</li> </ul>	Dr. J. Ramkumar Dr. P. Thukkaiyannan
				RP- Cultivation of SVPR – 2	TNAU	SVPR - 2	4 kg /ac	500/-				
				AP1-Cultivation of Suraj variety(CICR)	CICR	Suraj & Surabhi seeds	8 kg (4+4)	1600/-				
				AP 2- Cultivation of Surabhi variety (CICR)		Yellow sticky traps Cotton plus (TNAU) Bacterial Bio pesticide	12 traps /ac 2 kg /ac	240/- 400/-				
						PPFM (3 sprays)	600 ml	200/-				

### 8. Technology Refinement 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
8.1	-	-	-	1	-	-	-	-	-	-	-	-

## 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
9.1	Cereals	Paddy	<ul style="list-style-type: none"> <li>Harvester termite attack due to intermittent drought during monsoon period</li> </ul>	Management of Harvester termite by dusting through Knapsack power sprayer in semi dry rice	variety	Existing variety in farmers' field at the time of demo.	TNAU	Neem cake (farmer's contribution)	100 kg	-	5	3000	<ul style="list-style-type: none"> <li>Plant damaged(%)</li> <li>Termite mount count</li> <li>Per cent damage</li> <li>Pest control efficiency</li> <li>Yield / ha</li> </ul>	Dr. J. Ramkumar Dr.R.Durai Singh
		Paddy	<ul style="list-style-type: none"> <li>Habitual Fertiliser P application without logic/soil test</li> <li>Imbalanced fertiliser application</li> <li>Higher cost of DAP</li> <li>Low fertiliser use efficiency</li> <li>Poor returns</li> </ul>	Improved fertilizer P management for semi dry rice	Variety	ADT - 45	TNAU	Single Super Phosphate	70 kg	560	10	7350	<ul style="list-style-type: none"> <li>Plant height</li> <li>Root volume</li> <li>Yield</li> <li>100 grain weight</li> <li>Economics</li> </ul>	Dr.K.Saravanan Dr.P.Thukkaiyannan
		Paddy	<ul style="list-style-type: none"> <li>Early, middle and terminal drought occurrence in rice</li> </ul>	Drought mitigation technologies in semi dry rice.	Variety	CO -51 rice seed	TNAU	Seeds	900	1080	10	10800	<ul style="list-style-type: none"> <li>Germination percentage</li> <li>Plant height (30,60 &amp; 90 DAS)</li> <li>No of tillers</li> <li>Panicle length</li> <li>Yield economics</li> </ul>	Dr.P.Thukkaiyannan Dr.K.Saravanan
								PPFM (ST @0.2 kg/5 kg seed, SOIL@2kg/ha & FOLIAR @500ml/ha)	180					



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
9.2	Millets	Ragi	<ul style="list-style-type: none"> <li>• Low yield due to poor performance of local cultivars</li> <li>• Poor Yield due to road side threshing</li> <li>• Lack of threshing facility</li> </ul>	Demonstration of Ragi Thresher for Drudgery Reduction	Variety	Ragi Co-15	TNAU	Ragi Co-15	4 kg	40	10	1600	<ul style="list-style-type: none"> <li>• Population count</li> <li>• Plant height in 30, 60 and 90 DAS</li> <li>• Number of tillers/hill</li> <li>• 50 % flowering</li> <li>• Number of Fingers/Ear</li> <li>• Ear length</li> <li>• 1000 grain weight</li> <li>• Time required for threshing 100 kg</li> <li>• Labour required for threshing 100 kg</li> <li>• Quantity threshed per hour</li> <li>• Grain Yield</li> </ul>	Dr.V.Meenakshi Dr.P.Thukkaiyannan
						Ragi Thresher	ICAR - VPKAS Almora	Ragi Thresher (as community unit)	1	20000		20000		

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
9.2	Millet	Barnyard millet	<ul style="list-style-type: none"> <li>• Non suitability of commercial parboiling unit</li> <li>• Poor dehulling efficiency</li> <li>• Poor yield of parboiled rice</li> <li>• Low returns due to lack of processing machineries</li> </ul>	Value Addition Technique in Kuthiraivali for getting higher returns	Local variety	-	TNAU UAS	Parboiling unit	1no	12500	4 nos	50000	<ul style="list-style-type: none"> <li>• Hulling %</li> <li>• Yield of dehulled rice</li> <li>• Yield of broken rice</li> <li>• Additional cost incurred &amp; time taken</li> <li>• Income generated by processing , Branding and marketing</li> </ul>	Dr.V.Meenakshi Dr.P.Thukkaiyannan

9.3	Oilseeds	Ground nut	<ul style="list-style-type: none"> <li>• Poor pod setting and filling</li> <li>• Leaf miner and root grub incidence</li> <li>• Leaf spot incidence</li> <li>• Low yield &amp; returns.</li> </ul>	Improved ICM practices in groundnut	Variety	CO-7	TNAU	<ul style="list-style-type: none"> <li>• Hiring charges for Seed drill sowing</li> <li>• seed Treatment (<i>Trichoderma viride</i>)</li> <li>• TNAU MN mixture</li> <li>• Groundnut Rich</li> <li>• Pheromone traps with lures (2 replacements)</li> <li>• <i>Beauveria</i></li> <li>• Neem cake*</li> <li>• Chlorothalonil* (*farmer contribution)</li> </ul>	1.5hr/acre	1200	5 (3090 * 5)	15450	<ul style="list-style-type: none"> <li>• DMP</li> <li>• No of pods/plant</li> <li>• No of seeds/pod</li> <li>• % of filled pods</li> <li>• Size and weight of pods</li> <li>• Per cent damage by root grub</li> <li>• No. of moths collected in pheromone trap</li> <li>• Yield/ha</li> </ul>	Dr.K.Saravanan Dr.J.Ramkumar
	Oilseeds	Coconut	<ul style="list-style-type: none"> <li>• Lack of green grass fodder</li> <li>• Under utilization of coconut garden</li> </ul>	Popularisation multi-cut fodder grass for coconut grooves	variety	Guniea grass CO-3	TNAU	<ul style="list-style-type: none"> <li>• Guniea grass fodder seeds</li> <li>• Gras cutter (common unit)</li> </ul>	4000	400	10	14000	<ul style="list-style-type: none"> <li>• Leaf length &amp; width</li> <li>• Leaf stem ratio</li> <li>• No. of tillers per clump</li> <li>• Green fodder yield</li> <li>• BC ratio</li> </ul>	Dr.G.Anand 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
9.4	Commercial crops	Coconut	<ul style="list-style-type: none"> <li>Low yield due to pest and nutrition deficiency (button shedding)</li> <li>ICM with specific attention to button shedding problem. Coconut root feeding tonic.</li> <li>Bee keeping for better pollination</li> <li>Aggregation traps to control red palm weevil &amp; rhinoceros beetle.</li> </ul>	Yield maximization in coconut	variety	East coast tall	TNAU	<p>Honey bee colony with stand.</p> <p>Honey extractor+ smoker+scraping knife –</p> <p><i>Metarhizium</i></p> <p>Aggregation trap for RB &amp; RPW (available).</p> <p>Coconut tonic.</p>	<p>3 colony /ac</p> <p>1 unit</p> <p>Needed quantity per acre</p>	-	5	43500	<ul style="list-style-type: none"> <li>% of button shedding before and after</li> <li>Yield of nuts</li> <li>BC ratio</li> <li>% reduction of incidence of red palm weevil and rhinoceros beetle.</li> </ul>	<p>Dr.G.Anand</p> <p>Dr.J.Ramkumar</p>

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
9.5	Horticultural crops	Chillies	<ul style="list-style-type: none"> <li>Sucking pest problem – thrips, aphids &amp; mites</li> <li>Anthracnose incidence</li> </ul>	IPDM Practices in Mundu Chilli	Variety	Local mundu chilli	TNAU & IIHR	Yellow sticky traps	12 traps/ac	240/-	5	5950	<ul style="list-style-type: none"> <li>Sucking pest population</li> <li>Per cent damage</li> <li>Yield/ha</li> </ul>	Dr. J. Ramkumar Dr.P.Thukkaiyannan
								Neem soap (IIHR)	2 kg /ac	400/-				
								Pheromone traps with lures (3 replacements)	5/ac	475/-				
								Carbendazim (farmer's contribution)	200 gm/ac	-				
								Pseudomonas	1 kg /ac	75/-				
9.6	Horticultural crop	Cluster Bean	<ul style="list-style-type: none"> <li>Less cluster bean cultivation among the vegetable growing farmers</li> <li>Dependent of vegetables from other districts.</li> </ul>	Demonstration Of Cluster Bean MDU 1	Variety	Cluster Bean MDA 1	TNAU	Cluster bean seed	4 kg	800	10	8000	<ul style="list-style-type: none"> <li>Population count</li> <li>Plant height in 45, 50 and 75 DAS</li> <li>Number of fruits/ node</li> <li>Number of fruits per plant</li> <li>Average fruit weight per plant</li> <li>Yield</li> </ul>	Dr.P.Thukkaiyannan 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
9.7	Livestock	Legume fodder	Lack of availability of legume fodder	Demo of backyard fodder production using multi-tier trays.	Re-usable Plastic trays	-	TANU VAS	Plastic tray chambers	4	3200	10	32000	<ul style="list-style-type: none"> <li>Water usage</li> <li>Protein %</li> <li>Seed biomass ratio</li> <li>Crude protein %</li> <li>BC ratio</li> </ul>	Dr.G.Anand Dr.K.Saravanan
9.8	Others	IFS	Low income Low yield Low Soil Organic content	IFS	-	-	-	<ul style="list-style-type: none"> <li>Fish</li> <li>Fodder</li> <li>Turkey</li> <li>Duck</li> <li>Azolla</li> <li>Green manure</li> </ul>	-	-	1	50000	<ul style="list-style-type: none"> <li>Additional Income generated</li> <li>Performance of each component</li> <li>BCR</li> </ul>	Dr.P.Thukkaiyannan Dr.K.Saravanan
		FFS	FFS	Integrated Crop Management in groundnut	-	-	TNAU	<ul style="list-style-type: none"> <li>Vegetable special</li> <li>Groundnut rich</li> </ul>	-	-	1	30000	<ul style="list-style-type: none"> <li>No of pods / plant</li> <li>No of kernels /pod</li> <li>BCR</li> </ul>	Dr.K.Saravanan Dr.J.Ramkumar
	Special programme	Chilli / cotton	Water scarcity & drought	Low cost and portable micro irrigation model for farm ponds and shallow water areas	-	-	-	PVC pipe and Fittings Lateral tube (Inline) Accessories Over Head Tank (1000 Lit)+Stand	-	-	1	48450	<ul style="list-style-type: none"> <li>Growth and yield assessment</li> </ul>	Dr.P.Thukkaiyannan Dr.K.Saravanan Dr.G.Anand

## 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	Drought	Assessment (OFT)	Drought mitigation techniques	2	100	Dr. P.Thukkaiyannan Dr.G.Anand
		Paddy	*Poor soil health maintenance *Imbalanced fertilizer management *Improper residue recycling *Below potential yields	FLD	Integrated nutrient management for better soil health maintenance	4	120	Dr.K.Saravanan Dr. P.Thukkaiyannan
		Groundnut	*Poor nutrient management *Lack of seed treatment *Inferior crop yields	FLD	Improved crop production techniques for groundnut	3	75	Dr.K.Saravanan Dr.J.Ramkumar
10.2	Horticulture Production	Cluster Bean	Less cultivation due to non availability of promising seed.	FLD	Cultivation practices of Cluster bean	4	100	Dr.P.Thukkaiyannan Dr.V.Meenakshi

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 - Silage Making	Fodder	Non availability of fodder during lean season.	FLD	Silage making using portable polythene bags	5	150	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan
	Dry fodder	Fodder	Non availability of fodder during lean season.	FLD	Preparation of enriched paddy straw	5	150	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan
	Green fodder	Azolla	Lack of green fodder	FLD	Azolla cultivation using polythene sheets	5	150	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan
10.4	Home Science	Barnyard millet	*Non suitability of commercial parboiling unit. *Poor dehulling efficiency *Poor yield of parboiled rice *Low returns due to lack of processing machineries	FLD	Value addition techniques in Kuthiravalli	2	75	Dr.V.Meenakshi Dr. K.Saravanan
		Ragi	*Low yield due to poor performance of local cultivars *Poor Yield due to road side threshing *Lack of thrashing facility	FLD	Preprocessing and Processing Techniques in Ragi	2	75	Dr.V.Meenakshi 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
10.4	Home Science	Black gram	*Low yield due to poor performance of local cultivars *Labour intensive grading and winnowing *Time consumption *Poor Quality grain	Demonstration	Demonstration of spiral separator in reducing drudgery	2	50	Dr.V.Meenakshi Dr.P.Thukkaiyannan
10.5	Plant Protection	Cotton	Sucking pest incidence, flower and flower dropping	OFT	IPDM practices for cotton	3	100	Dr. J. Ramkumar Dr. P. Thukkaiyannan
		Paddy	Harvester termite attack	FLD	Pest and disease management in rice	2	60	Dr. J. Ramkumar Dr. R. Durai Singh
		Chillies	Sucking pests and anthracnose problem	FLD	IPDM practices for local mundu chilli	2	80	Dr. J. Ramkumar Dr.P.Thukkaiyannan
		Groundnut	Leafminer, root grub& leaf spot disease pbm.	FLD	IPDM for groundnut	3	60	Dr. J. Ramkumar Dr.V.Meenakshi

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
10.6	Production of Inputs at site	Potting media	poor quality seedlings	Training	Generation of Potting media from coir industry waste	1	20	Dr.K.Saravanan Dr.J.Ramkumar
10.7	Soil Health and Fertility	Coconut Horticultural crops (Chilli)	Poor soil organic matter status Poor soil biological properties	FLD	Recycling crop residues and organic wastes for generation of enriched bio composts	3	60	Dr.K.Saravanan Dr. P.Thukkaiyannan
10.8	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 Dr.G.Anand
10.9	Farm Mechanization	Paddy	Low yield	Training	Maintenance of farm equipments and machinaries	1	40	Dr.P.Thukkaiyannan Dr.K.Saravanan
10.10	Fisheries Production Technologies	Fish	Lack of knowledge	Training	Value addition in fish	2	50	Dr.V.Meenakshi
10.11	Mushroom production	Milky mushroom	Lack of Knowledge on mushroom production	Training	Milky mushroom	2	40	Dr.J.Ramkumar

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
10.12	Agro forestry	-	-	-	-	-	-	-
10.13	Bee Keeping	Coconut	Poor pollination & low yield	Training	Honeybee rearing techniques in coconut garden	1	20	Dr.J.Ramkumar Dr.G.Anand
10.14	Sericulture	-	-	-	-	-	-	-
	Others, pl. specify	Vertebrate pest management	Wild bull problem in crop land	Training	Effective management of vertebrate pest management	2	40	Dr. J. Ramkumar Dr.P. Thukkaiyannan

## 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	Rice	Less Machines used in rice cultivation	OFT	Machineries usage in rice cultivation	4	200	Dr.P.Thukkaiyannan Dr.G.Anand
		Paddy and Groundnut	*Improper crop spacing and establishment *Non availability of labour saving & value addition technologies	Assessment	Mechanization under rainfed Agriculture	1	20	Dr.K.Saravanan Dr.P.Thukkaiyannan Dr.G.Anand Dr.V.Meenakshi
11.2	Horticulture Production	Vegetables	Lack of high yielding vegetable types and varieties in the districts	FLD	Suitability and possibility of vegetable cultivation in the district	4	200	Dr.P.Thukkaiyannan Dr.V.Meenakshi
11.3	Live stock - Silage Making	Fodder	Non availability of fodder during lean season.	FLD	Silage making using portable polythene bags	5	150	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan

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 Dry fodder	Fodder	Non availability of fodder during lean season.	FLD	Preparation of enriched paddy straw	5	150	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan
	Green fodder	Azolla	Lack of green fodder	FLD	Azolla cultivation using polythene sheets	5	150	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan
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
		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.K.Saravanan
11.5	Plant Protection	Paddy	Harvester termite attack	FLD	Effective and safe usage of plant protection	2	40	Dr.J.Ramkumar Dr.R.Durai Singh

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
11.5	Plant Protection	Cotton and paddy	Lepidopteran pest and disease problem	FLD & OFT	Mass production of biocontrol agents	1	20	Dr. J. Ramkumar Dr. V. Meenakshi
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 resources	1	20	Dr.K.Saravanan Dr.P.Thukkaiyannan
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.G.Anand
11.10	Farm Mechanization	Paddy	Low yield	OFT	Mechanized rice cultivation	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
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	-	-	-	-	-	-	-
11.16	Others, pl. specify	Farmers Producer organization	Un-organized farming & marketing	HRD/ Capacity building	Formation of farmers clubs and producer organization.	6	150	Dr.G.Anand Dr.K.Saravanan
		E-Extension services	Lack of Knowledge on ICT enabled farm extension services	HRD/ Capacity building	1) Expert system handling 2) Usage of TNAU agri-portal 3) Usage of mobile based agro-advisory services.	4	100	Dr.G.Anand Dr.P.Thukkaiyannan

## 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	Mechanization in rice cultivation	1	25	Dr.P.Thukkaiyannan Dr.K.Saravanan
		Irrigation technologies in commercial crops & vegetables	2	40	Dr.P.Thukkaiyannan Dr.K.Saravanan
12.2	Home Science	Quality Assurance - Food Safety and Standards Authority of India	1	50	Dr.V.Meenakshi
		Nutritional Problems & Health Management for Adolescence	1	25	Dr.V.Meenakshi
12.3	Capacity Building and Group Dynamics	-	-	-	-
12.4	Horticulture	-	-	-	-
12.5	Livestock Production & Management - Capacity building for VAS	Green fodder and dry fodder production	1	35	Dr.G.Anand Dr.R.Durai Singh
12.6	Plant Protection	IPM in coconut	1	25	Dr.J.Ramkumar Dr.G.Anand



S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.7	Farm Mechanization	-	-	-	-
12.8	PHT and value addition	Coconut Post harvest and Processing	1	25	Dr.V.Meenakshi 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	Soil Health and Fertility	Strategies for promoting soil health under changing agricultural scenario	2	50	Dr.K.Saravanan Dr.G.Anand
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 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 if any	Names of the team members involved
13.1	Crop Production	Handling and operation training of agricultural machineries	3 no (3 days)	Rural Youth	75	ICAR	Dr.P.Thukkaiyannan Dr.G.Anand
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	-	-	-	-	-	-
13.5	Livestock Production & Management - Fodder production	Green production and management	1 no 3 days	SHGs, NYKs	30	ICAR	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan
		Dry fodder production and management	1 no 3 days	SHGs, NYKs	30	ICAR	Dr.G.Anand Dr.R.Durai Singh Th.C.Karunaidassan

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
13.6	Plant Protection	Milky Mushroom production technologies	1	SHGs, Women, youth	20	ICAR	Dr.J.Ramkumar Dr.P.Thukkaiyannan
13.7	Farm Mechanization	-	-	-	-	-	-
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
		Value addition of millets	2 nos	SHGs, NYKs	40	ICAR	Dr.V.Meenakshi Dr.K.Saravanan
13.9	Production of Inputs at Site	Compost making techniques from organic resources	1 nos 7 days	SHGs, NYKs	25	ICAR	Dr.K.Saravanan Dr.P.Thukkaiyannan
		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 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	Entrepreneurial Activity through Processing of Fruits and Vegetables	1no 7 days	SHGs,	25	NABARD	Dr.V.Meenakshi Dr.G.Anand
14.3	Capacity Building and Group Dynamics–HRD	Leadership development for rural agro enterprising	1no 1 days	NYK youths	30	NYK & NABARD	Dr.G.Anand Dr.R.Durai Singh
14.4	Horticulture	-	-	-	-	-	-
14.5	Livestock Production & Management	-	-	-	-	-	-
14.6	Plant Protection	-	-	-	-	-	-
14.7	Farm Mechanization	Maintenance of farm equipments and machinaries	3 days	NYK vounteers	30	NYK	Dr.G.Anand Dr.V.Meenakshi

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
14.8	PHT and value addition	-	-	-	-	-	-
14.9	Production of Inputs at Site	Entrepreneurial Activity through Processing of coir industry wastes	1no 5 days	Youth	20	NABARD/ Mohamed Sathak Polytechnique college, Kilakkarai	Dr.K.Saravanan Dr.P.Thukkaiyannan Dr.G.Anand
14.10	Sericulture	-	-	-	-	-	-
14.11	Fisheries	-	-	-	-	-	-

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

### 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	300	450	Dr.R.Durai Singh Dr.P.Thukkaiyannan Dr.J.Ramkumar Dr.K.Saravanan Dr.G.Anand Dr.V.Meenakshi
15.2	Diagnostic visits	120	220	
15.3	Field Day	15	450	
15.4	Group discussions	24	120	
15.5	Kisan Ghosthi	-	-	
15.6	Film Show	10	Mass	
15.7	Self -help groups	12	200	
15.8	Kisan Mela	-	-	
15.9	Exhibition	2	Mass	
15.10	Scientists' visit to farmers field	400	900	
15.11	Plant/Soil health/Animal health camps	5	Mass	
15.12	Farm Science Club	-	-	
15.13	Ex-trainees Sammelan	-	-	
15.14	Farmers' seminar/workshop	2	150	

15.15	Method Demonstrations	30	Mass	
15.16	Celebration of important days	-	-	
15.17	Special day celebration	-	-	
15.18	Exposure visits	4	160	
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 2015-16

### 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.R.Durai Singh
		Food Processing, Spawn Unit	26 m <sup>2</sup>	Dr.V.Meenakshi Dr.J.Ramkumar
		Vermicompost	40m <sup>2</sup>	Dr.P.Thukkaiyannan
		Coir compost	30m <sup>2</sup>	Dr.K.Saravanan
		Apiculture	7 units	Dr.J.Ramkumar
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 district.

### 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.R.Durai Singh
16.2.3	Bio-products	KVK - Revolving Fund	Vermi compost	50 qtl/yr	Dr.P.Thukkaiyannan
16.2.4	Poultry birds	KVK & VURTC	Chicks	5,000	Dr.G.Anand Dr.V.Meenakshi
16.2.5	Enriched Organic Compost	KVK - Revolving Fund	Compost	50 qtl / yr	Dr.K.Saravanan



### 16.3 Technological Information

Sl.No	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.J.Ramkumar Dr.K.Saravanan Dr.G.Anand Dr.V.Meenakshi
	Agriculture	8	
	Horticulture	-	
	Animal Husbandry	2	
	Fisheries	1	
	Agricultural Engineering	2	
	Sericulture	-	
	Others, pl. specify	-	
16.3.2	Literature/publication	60	
16.3.4	Electronic Media	E-News letter will be prepared in bilingual form for the benefit of farmers & officials	Dr.G.Anand Tmt.G.Namagirilakshmi
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, Tmt.G.Namagirilakshmi
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 Tmt.G.Namagirilakshmi

### 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	NABARD	Enterprenuership Development Programme for NABARD Farmers Clubs	Enterprenuership programmes relavent to horticulture , vertinary and value addition	30000	Dr.G.Anand, AP (Agrl. Extn.) Dr.K.Saravanan, AP (SS & AC) Dr.Vijayalingam, P & H (VURTC)

### 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 31.01.2015 (Rs.in Lakh)	Expected closing balance by 31.01.2015 (Including value of material in stock)
309242	29666	320687	600263	580000

#### 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.Vijayalingam, P & H (VURTC)

**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	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 2015-16**

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Video conferencing module for paddy, coconut and chilli.	February' 2016	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)	February' 2016	At present the KVK web page is browsed by officials / learned persons alone. In order to enhance the usage the web page will be upgraded in bilingual format with english and tamil version.

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.3	Any other (Please specify) – Touch screen kiosk	February' 2016	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' 2016	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	September'2015
22.3	Brief action plan in this regard	The innovators / ITK farmers will be called upon to KVK during the month of September'2015 and innovator-scientist –line departments – financial institutions interaction will be organized.

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

<b>S. No</b>	<b>Thematic area</b>	<b>Title of the FFS</b>	<b>Budget proposed in Rs.</b>
23.1	Crop Production & Management	FFS on ICM in Groundnut	30000

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

**(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>	9000000		8964681
24.1.2	<b>Traveling allowances</b>	56000		66603
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	20000	<b>5521989</b>	215412
<i>B</i>	POL, repair of vehicles, tractor and equipments	20000		110152
<i>C</i>	Meals/refreshment for trainees	20000		27600
<i>D</i>	Training material	20000		19249
<i>E</i>	Frontline demonstration except oilseeds and pulses	200000		152299
<i>F</i>	On farm testing	50000		61440
<i>G</i>	Training of extension functionaries	10000		19575
<i>H</i>	Maintenance of buildings	0		0
<i>I</i>	Extension Activities	10000		0

<i>J</i>	Library	0		4830
<i>K</i>	Farmer's Field School (FFS)	10000		9000
<b>24.1</b>	<b>Total Recurring</b>	<b>370000</b>		<b>619557</b>
<b>24.2</b>	<b>Non-Recurring Contingencies</b>			
24.2.1	<b>Works</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>9426000</b>		<b>9699809</b>

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

S.No.	Particulars	BE 2015-16 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	10700000
25.1.2	Traveling allowances	200000
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)	211650
F	FLD on special programme (Mini Portable Sprinkler)	48450
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	41450
H	Training of extension functionaries	50000
I	Maintenance of buildings	50000
J	Extension Activities	50000



<i>K</i>	Farmer's Field School	<b>30000</b>
<i>L</i>	Integrated Farming System	<b>50000</b>
<i>M</i>	Library	<b>10000</b>
<b>25.1</b>	<b>TOTAL Recurring Contingencies</b>	<b>1341550</b>
<b>25.2</b>	<b>Non-Recurring Contingencies</b>	
25.2.1	<b>Works</b>	
	Fencing cum boundary wall in farm	<b>300000</b>
25.2.2	<b>Equipments including SWTL &amp; Furniture</b>	
	Furniture	<b>500000</b>
25.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	
	Jeep	<b>1000000</b>
	Honda – Scooter – 1 no	<b>75000</b>
25.2.4	<b>Library</b> (Purchase of assets like books & journals)	<b>10000</b>
<b>25.2</b>	<b>TOTAL Non-Recurring Contingencies</b>	<b>1085000</b>
<b>25.3</b>	<b>REVOLVING FUND</b>	<b>0</b>
<b>25.4</b>	<b>GRAND TOTAL</b>	<b>2484550</b>

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