

ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE**PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2016 - 17****1. General information about the Krishi Vigyan Kendra**

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra, Social Change and Development(SCAD) Vagaikulam, Mudivaithanendal Post, Thoothukudi 628102 Phone and Fax: 0461-2269306 Email: pcscadkvk@gmail.com Website: www.scadkvk.org
1.2	Name and address of host organization	:	Social Change And Development Bye Pass Road, Vannarpettai, Tirunelveli Ph: 0462-2501008, Fax: 0462-2501007 Email: scb_scad@yahoo.com
1.3	Year of sanction	:	1995
1.4	Website address of KVK and date of last update	:	www.scadkvk.org 01 – 02 – 2016

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	Vacant					
2.2	Subject Matter Specialist& PC i/c	Dr.V.Srinivasan	Animal science	15600-39100	5400	08.07.1999	P
2.3	Subject Matter Specialist	S. Sumathi	Home science	15600-39100	5400	01.12.2000	P
2.4	Subject Matter Specialist	P.Velmurugan	Horticulture	15600-39100	5400	30.01.2001	P
2.5	Subject Matter Specialist	A.Murugan	Agronomy	15600-39100	5400	18.07.2011	P
2.6	Subject Matter Specialist	Vacant					
2.7	Subject Matter Specialist	Vacant					
2.8	Programme Assistant	I. Jeyakumar	Lab Assistant	9300-34800	4200	12.07.2013	P
2.9	Computer Programmer	J.Jove	Computer science	9300-34800	4200	01.04.2011	P
2.10	Farm Manager	K.Dhamodaran	Agriculture	9300-34800	4200	31.08.2009	P
2.11	Accountant/Superintendent	S.S. Ganesan	-	9300-34800	4200	01.06.1996	P
2.12	Stenographer	Vacant					
2.13	Driver 1	A. Dominic James	-	5200-20200	2000	01.06.1996	P
2.14	Driver 2	Gulam Rasul Babu	-	5200-20200	2000	01.07.1996	P
2.15	Supporting staff 1	K. Rajeswaran	-	5200-20200	1800	01.12.1996	P
2.16	Supporting staff 2	V. Xavier	-	5200-20200	1800	12.11.2001	P

3. Details of SAC meeting conducted during 2015 – 16 : Nil

Sl.No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2016 - 17
				June 2016

4. Capacity Building of KVK Staff**4.1. Plan of Human Resource Development of KVK personnel during 2016 - 17**

Sl.No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Agriculture related software development	NAARM	Very much essential to create a software for our region farmers
4.1.2	Feed block preparation, TMR preparation technology, rearing green fodder in fodder machine	TANUVAS, IVRI, NDRI	Very much essential to learn about the latest techniques in feed block preparation using the straw which otherwise goes waste as it is machine cut.
4.1.3	Post harvest packaging technology	CIPHET,Ludhiana	Very much essential for product marketing
4.1.4	Latest technologies for drought prone area agriculture	ICRISAT	Essential for implementing the programmes of drought preparedness and contingency plan for the district
4.1.5	Integrated pest management	Pondicherry KVK	Very much essential to learn about bio pesticide management
4.1.6	High tech Horticulture	IIHR, Bangalore	To study and execute the hitech cultivation techniques for horticultural crops

4.2. Cross-learning across KVKs during 2016 - 17

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring KVK Madurai , Ramanathapuram	Mechanization in agriculture, Value addition for millet products ,
4.2.2	Within the zone KVK Mysore , Erode, Karur	FPOs,
4.2.3	Outside zone – Baramathi KVK and Ahmednagar	To learn about effective usage of ICT tools in transfer of technology

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2016 - 17

Sl.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	KVK, Virudhunagar	Prosopis juliflora pod as animal feed and fish culture in ponds	Information in dry land technologies
5.2	KVK, Kanyakumari	Expertise in banana cultivation	Information in flower cultivation and marketing
5.3	KVK, Madurai	Expertise in animal science and fisheries	Expertise in Honey bee and banana fiber product preparation
5.4	KVK, Gandhigram	Prosopis juliflora pod as animal feed and fish culture in ponds	Expertise in agro forestry

6. Operational areas details proposed during 2016 - 17

Sl.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.)*
1	Paddy	Low level of awareness on high yielding new varieties (92%) Lack of awareness on IPM practices (78%) Low yield from the existing ruling variety (ASD-16) (4500kg/ha) Continuous usage of local seeds, Poor cultivation practices (78%)	270 ha	Manakkarai Alwarkukulam	FLD – ICMP TPS 5

2	Goat	Mortality upto 10 % in adults and 30% in kids due to infectious diseases like neonatal viral enteritis, Enterotoxemia, Anthrax, Blue tongue Pneumonia, footrot and endo and ectoparasitism, vaccination and deworming: no vaccination and medication, No dipping is practiced to control ectoparasites, Improper housing conditions during rainy and winter seasons leading to heavy mortality in kids	270	Vilathikulam, Sithavinayakanpatti	Veterinary camp and Training on Scientific Management and comprehensive disease control Practices In Goat Rearing,
3	Poultry	Non availability quality chicks for rearing in the vicinity, Mortality in chicks due to Ranikhet disease (upto 80%) and prey animals (upto 40%), Non availability of skilled persons to vaccinate the birds at their convenient time	750	Manakkarai Alwarkarkulam	FLD on Oral pellet vaccination to prevent Ranikhet disease in Backyard Poultry,
4	Banana	Under utilization of space, water and soil (30-40%) lower number of suckers/ha (2.1x2.1m =2260plants/ha) Lower net profit/unit area due to single crop (1.37lakhs/ha) low productivity (35 ton/ha)	330 ha	Manakkarai Alwarkarkulam	FLD – Planting Techniques in Banana,
5	Banana	Lower net profit (Rs.112500/ha) - Area 330 ha, Transport and safeguarding the poles Damage due to wind (40-60%) Recurring expense for traditional scaffolding system (70% of production cost) High cost of casuarinas poles (Rs.50-60/pole)	180 ha	Perungulam Siruthondanallur Sakkammalpuram	OFT – Scaffolding in Banana, Training
6	SnakeGuard	Under utilization of resources (Land, water, space)(50%) low or no income during off season period in Drumstick -100% low level of awareness on high yielding cucurbitaceous vegetables	110 ha	Perungulam Siruthondanallur Sakkammalpuram	FLD – Inter cropping with cucurbits in drumstick

		(30%) Low net income/unit area(18ton/ha) High seed cost of hybrid & usage of poor quality seeds			
7	Roof garden	Lack of place to grow vegetables malnutrition (45%) and anemic among women and children (60%) Poor usage of available space (40%)		Perungulam Siruthondanallur Sakkammalpuram	Training
8	Goat	Mortality upto 10 % in adults and 30% in kids due to infectious diseases like neonatal viral enteritis, Entero toxemia, Anthrax, Blue tongue Pneumonia, footrot and endo and ectoparasitism vaccination and deworming: novaccination and medication, No dipping is practiced to control ecto parasites Improper housing conditions during rainy and winter seasons leading to heavy mortality in kids	750	Poovani Lakshmipuram	Training & Veterinary Camp
9	Paddy	Low Yield 4500 kg/ha Lack of awareness fine grain varieties (60%) Ruling fine varieties ADT-(R) 45 is of lodging type (50%) Poor cultivation practice (76%) Continuous usage of local seeds (55%) Lack of awareness on IPDM practices (78%) Water scarcity (100% in Maturity Stage) Water availability 95 – 100 days only	155 ha	Poovani Lakshmipuram	OFT – Varietal assessment, Training
10	Black gram	40% yield loss due to YMV Poor pod filling due to MN deficiency (62%) Labour shortage for weeding in time (76%) Non availability of latest high yielding varieties in time (91%) Heavy usage of Weedicide & High cost of weedicide	350 ha	Akkanayakanpatti Otudanpatti	Training and FLD on ICMP Black gram, under cluster FLD programme
11	Green gram	40% yield loss due to YMV	240 ha	Keelapooovani, Melapooovani,	Training and field visits and farmers

		Poor pod filling due to MN deficiency (65%) Labour shortage for weeding in time (72%) Non availability of seed in time (91%)		Lakshmipuram	meetings
12	Groundnut	Low level of awareness on high yielding new varieties (90%) Continuous usage of local seed (98%) Labour shortage for sowing and weeding in time (75%) Non availability of seed in time (91%)	20 ha	Poovani lakshmipuram	Demonstration and training on ICMP CO(Gn)-8, under cluster FLD
13	Groundnut	High labour requirement and cost (15nos/ac) Drudgery for farm women involved in ground nut stripping and decorticating (60%) Lack of access to groundnut stripper and decorticator (98%)	25 ha	Akkanayakanpatti Otudanpatti	Demonstration and training on ICMP Ground nut Mechanization Training
14	Cattle	Poor quality milk with low fat or SNF content due to poor management practices	50	Akkanayakanpatti Otudanpatti	Training
15	Goat	Mortality due to diseases like ET, BT, Sheep pox, endo and ectoparasitism (upto 50%)	500	Vilathikulam	Veterinary camp and Training on comprehensive disease control measures in goat
16	Onion	High cost of bulbs lower production, productivity, net return	42 ha	Akkanayakanpatti	OFT – Assessment of high yielding onion varieties
17	Nutritious garden	120 children are malnourished	120	Akkanayakanpatti Otudanpatti	FLD – school Nutrition Garden, Training
18	Sorghum	Low productivity in K-8 variety (990Kg/ha) Crop losses in existing commercial hybrids due to drought condition in later stage of this crop growth (50%) High cost and non availability of Commercial hybrid seeds Late maturing long duration commercial varieties invites midges attack (55%)	150 ha	Chinnavanayakanpatti Pudur	FLD - ICMP in dual purpose Sorghum K - 12
19	Cluster Bean	Water scarcity for Summer crop (65%) Poor awareness on high yielding, drought hardy, alternate crops (60%)	80 ha	Chinnavanayakanpatti Pudur	FLD – MDU1 Cluster Bean, Training

		Low net profitability of other crops			
20	Dairy Cow	less returns from dairy cattle rearing leading to reduction in number of milch cow keeping (40% of farmers (35 persons) gave up rearing milch cows because of less profitability in Pudur cluster, Infertility or delayed fertility due to mineral deficiencies (65% of cows were affected	125	Chinnavanayakanpatti Pudur	FFS on Improvement of profitability in cross bred Dairy cows
21	Sheep	Mortality upto 30 % in adults and 50% in lambs due to infectious diseases like sheep pox, Enterotoxemia, Anthrax, Blue tongue Pneumonia and ectoparasitism, vaccination and medication all done without the advice of veterinarian but by peer interaction, No dipping is practiced to control ectoparasites	2000	Chinnavanayakanpatti Pudur Pudupatti	Veterinary camp and Training on scientific management and comprehensive disease control practices in sheep rearing
22	Green gram	Labour shortage for sowing and weeding in time, Lack of practice on line sowing, Lack of access to combined harvester, High cost of weeding	75 ha	Chinnavanayakanpatti Pudupatti	Demonstration and training on Total mechanization in Green gram

Abstract of TAR proposed for the year 2016 - 17

Sl. No	Crop	Title	Village	Amount
1	Paddy	Assessing the suitability of drought tolerant, short duration, high yielding, fine grain paddy varieties for rain fed tank irrigation system	Alwarkarkulam	15050
2	Onion	Assessment of yield parameters of seeding type multiplier onion varieties	Akkanayakanpatti	23240
3	Banana	Assessment of scaffolding system in Banana	Perungulam	27195
Total				65485

7. Technology Assessment during 2016 - 17

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied
1	Paddy	Low Yield 4500 kg/ha Lack of awareness fine grain varieties (60%) Ruling fine varieties ADT-(R) 45 is of lodging type (50%) Poor cultivation practice (76%)	Assessing the suitability of drought tolerance high yielding short duration fine grain paddy varieties for rain fed tank irrigation	SMS (Ag)	7	No of hill / m2 No of Productive tillers / hill No of seed / panicle 1000 grain wt BC ratio

		Continuous usage of local seeds (55%) Lack of awareness on IPDM practices (78%) Water scarcity (100% in maturity stage) Water availability 95 – 100 days only				
Technology options		Source of Technology	Name of critical input	Qty per trial (1.5ac)	Cost per trial	Total cost for the intervention (Rs.)
T1	ADT (R) 45	TNAU 2002	ADT (R) 45	12 kg	600	15050
T2	Co (R) 51	TNAU 2013	Co(R) 51	12 Kg	600	
T3	MDU 6	TNAU 2015	MDU 6	12 Kg	600	
			Field boards	1	350	
TOTAL					2150	

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied
2	Onion	Low water level during summer Low Production and net return to garden land farmers, High cost of bulbs	Assessment of yield parameters of seeding type multiplier onion varieties	SMS (Hort)	7	No . Of bulbs/plant Bulb weight Duration yield /ha BC ratio
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total cost for the intervention (Rs.)
T1	Cultivation of local onion with bulbs	--	Co-5 onion seeds	1 Kg	820	23240
T2	Cultivation of Co - 5	TNAU 2012	Arka Ujjwal (IIHR)	1 Kg	2020	
T3	Cultivation of Arka ujjwal	IIHR	Vegetable special	1kg	130	
			Field board	1	350	
TOTAL					3320	

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied
3	Banana	Lower net profit (Rs.112500/ha) - Area 330 ha Transport and safeguarding the poles Damage due to wind (40-60%) Recurring expense for traditional scaffolding system (70% of production cost) High cost of casuarinapoles (Rs.50-60/pole)	Assessment of scaffolding system in Banana	SMS (Hort)	7	Yield per ha Income/ha Net profit BC ratio
Technology options		Source of	Name of critical	Qty per	Cost per	Total cost for

		Technology	input	trial	trial	the intervention (Rs.)	
	T1	Scaffolding with 'T' shape single pole	TNAU			27195	
	T2	Scaffolding with Sesbania trees raised along with banana	Karur KVK	Sesbania seeds	100g		35
	T2	Scaffolding Galvanized Iron string method	CARD KVK, Kerala	Galvanized Iron rings	100 rings		3500
				Field board	1		350
TOTAL							3885

8. Abstract of FLDs proposed for the year 2016 - 17 (on order of priority)

Sl. No	Crop	Title	Village	Amount
1.	Paddy	Demonstration of Paddy TPS – 5 with ICM Practices	Manakkarai	21000
2.	Sorghum	Demonstration of ICMP in dual purpose Sorghum K - 12	Chinnavanayakanpatti	17000
3.	Black gram	Demonstration of Black gram VBN (Bg) -8 with ICM Practices (under NFSM cluster FLD)	Akkanayakanpatti	75000
4.	Green gram	Demonstration of Green gram CO (Gn) - 8 in dry land farming system	Chinnavanayakanpatti (MP adopted village)	42000
5.	Ground nut	Demonstration of Groundnut CO (Gn)- 6 with ICM practices in garden land system(under NMOOP for oilseeds)	Akkanayakanpatti	65500
6.	Banana	Demonstration of Paired row system of planting in Banana with GAP	AlwarKarkulam	17250
7.	Snake gourd	Demonstration of Snake gourd CO(Sg) H-1 in Drumstick as intercrop	Siruthondanallur	9900
8.	Cluster bean	Demonstration of Cluster bean (MDU-1)variety	Chinnavanayakkanpatti	24700
9.	Poultry	Demonstration of oral pellet vaccine to control ranikhet disease in chickens	ManakkarariAlwarkar kulam	10000
10.	Vegetables	Demonstration of school Nutrition Garden	All cluster villages	19100
11.	Ground nut	Demonstration on Groundnut stripper and Decorticator	Akkanayakanpatti	33000
Total				334450
FLD under regular KVK contingencies				194450
Cluster FLD under NFSM pulses				75000
Cluster FLD under NMOOP oilseeds				65000

9. Frontline Demonstrations during 2016 - 17

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
1	Cereals	Paddy	Low level of aware on high yielding new varieties (92%) Lack of awareness on IPM practices (78%) low yield from the Existing ruling Variety (ASD-16) (4500kg/ha) Continuous usage of local seeds Poor cultivation practices (78%)	ICMP in Paddy TPS – 5 (TNAU 2002) duration 105 – 110 days Short bold (Y – 6.3 t/ha) INM - Application of organic manures, Apply 12.5 t of FYM or compost or green @ 50 kg seeds/ha, Bio fertilizer application Application of inorganic fertilizers – NPK 150 : 50 : 50kg/ha, Application of zinc sulphate @ 25 kg /ha, IWM - Pre-emergence herbicides - Butachlor 1.25kg/ha IPDM Practices.	Variety	SMS (Ag) SMS (Hort)	No of hill / m ² No of tillers / hill No of seed / panicle BC ratio Yield
	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.)
	TPS – 5	TNAU 2002	Paddy TPS – 5	24Kg	1200	10	21000
			Azophos	1kg	50		
			Zinc Sulphate	10 Kg	500		
			Field board	1	350		
TOTAL					2100		

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied							
2	Millets	Sorghum	Low productivity in K-8 variety (990Kg/ha) Crop losses in existing commercial varieties due to drought condition in later stage of crop growth (50%) Late maturing long duration commercial varieties invites midges attack (55%)	ICMP in Sorghum K- 12 (duration 95 days) – Yield 3123 Kg/ha Seed treatment with Azophos INM – 90: 45:45 Kg/ha NPK. Micronutrient mixture 12.5 kg /ha IWM - Apply PE Atrazine @ 0.25 kg/ha on 3-5 DAS IPM and IDM Practices.	Variety	SMS (Ag) SMS (HS)	Population / m ² No of seed /head 100grain wt. Yield /ha BC ratio Palatability index							
								Name of the Hybrid or Variety	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	
								Sorghum K - 12	TNAU 2014	Sorghum – K – 12 Seed	4kg	200	20	17000
										Azophos	1kg	50		
										MN Mixture	5 Kg	250		
Field board	1	350												
TOTAL				850										

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
3	Pulses	Black Gram	Yield loss due to YMV(40%) Poor pod filling due to MN deficiency (62%) Labour shortage for weeding in time (76%) Non-availability of latest high yielding varieties in time (91%) Heavy usage of Weedicide ,High cost of weedicide	ICMP – VBN – 8 (TNAU,2015) (crop duration 65-70days, yield 850 kg/ha) Seed treatment - <i>Pseudomonas fluorescens</i> @ 10 g/kg seed - Rhizobium Fertilizer application –as basalbefore sowing. Rainfed : 12.5: 25: 12.5 kg NPK/ha +10 kg S*/ha Foliar spray of 1% urea for yield improvement Foliar spray to mitigate moisture stress with 2% KCl IWM - Pendimethalin 2.5 lit/ha application 3 DAS Quizolofop ethyl @ 50g ai/ha and Imazethepyr @ 50g ai/ha application on 15-20 DAS Pulse wonder spray 5kg/ha IPDM Practices - Bt spray, Neem soap	Variety	SMS (Ag) SMS (HS)	No of plant / m ² No of pod /plant No of seed /pod Yield /ha BC ratio

Name of the Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)
VBN (Bg) -8	TNAU 2015	Seed	8Kg	800	25	75000
		Rhizophos	1Kg	50		
		Pulse wonder	2kg	400		
		Twin Wheel Hoe Weeder	1	1300		
		Technology booklet	1	100		
		Field board	1	350		
TOTAL				3000		

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied			
4	Pulses	Green Gram	Labour shortage for sowing and weeding in time (72%) Lack of practice on line sowing (98%) Lack of access to combined harvester (60%) High cost of weeding	Drudgery reduction of farm women Line sowing with seed cum fertilizer drill , weeding with tractor drawn weeder and combined harvester ICMP Practices	Variety	SMS (HS) SMS (Ag)	Time consumption Rate of drudgery No of pod /plant No of seed /pod, 1000 grain weight Yield /ha BC ratio			
								Name of the Hybrid / Variety	Source of Technology	Name of critical input
	CO (Gg) - 8	TNAU 2011				10	42000			
								Seed	8Kg	800
								Rhizophos	1Kg	50
								Pulse wonder	2 kg	400
								Fertilizer cum seed drill(Hiring charges)	1 hour	600
								Tractor drawn weeder / manual weeder (Hiring charges)	1 hour	800
								Combined harvester (H.Charges)	1 hour	1200
Field board	1	350								
TOTAL				4200						

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
5	Oil seeds	Ground nut	Low level of awareness on high yielding new varieties (90%) Continuous usage of local seed (98%) Labour shortage for sowing and weeding in time (75%) Non-availability of seed in time (91%)	ICMP– CO (Gn) 6 (TNAU-2010) (Crop duration 125 days, yield- 1900kg/ha) Seed treatment - <i>Pseudomonas fluorescens</i> @ 10 g/kg seed, Fertilizer application – NPK @ 25:50:75 Kg/ha Gypsum application 400kg / ha IWM - Pendimethalin 2.5 lit/ha application 3	Variety	SMS (Ag) SMS (Hort)	No of plant / m ² No of pod /plant No of seed /pod Weed dry matter /sq.m Yield /ha BC ratio

				DAS, Quizolofop ethyl @ 50g ai/ha and Imazethepyr @ 50g ai/ha application on 15-20 DAS, Micronutrient mixture 12.5 kg /ha Groundnut rich spray 5kg/ha, IPDM Practice			
Name of the Hybrid / Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	
VRI-8/ Co(Gn)-6	TNAU 2016/2010	VRI 8 seedkernal	50 Kg	5500	10	65500	
		Groundnut Rich	2 Kg	800			
		Field board	1	250			
TOTAL				6550			

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
6	Fruits	Banana	Underutilization of space, water and soil (30-40%) lower number of suckers/ha (2.1x2.1m =2260plants/ha) Lower net profit/unit area due to single crop (1.37lakhs/ha) low productivity (35 ton/ha)	Paired row system of planting(1.2x1.2x2m) Spraying of EM Banana bunch cover Spraying of Banana special	Variety	SMS (Hort) SMS (Ag)	Bunch weight/ tree Bunch quality (free of P&D– Visual method) Yield per ha Income/ha Net profit BC ratio
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.)	
Local	TNAU	Banana suckers	100 x Rs.10	1000	10	17250	
		Banana special	1.5kg @Rs.150.kg	225			
		EM	2lits @Rs.75/lit	150			
		Field board	1	350			
TOTAL				1725			

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
7	Vegetables	Snake Gourd	Underutilization of resources (Land, water, space)(50%) low or no income during off season period in Drumstick - 100% low level of awareness on high yielding cucurbitaceous vegetables (30%) Low net income/unit area(18ton/ha) High seed cost of hybrids&usage of poor quality seeds	Cultivation of snake gourd PLR(SG) 2(TNAU -2009) as intercrop in Drumstick with complete package of Practice	Variety	SMS (Hort, Ag)	Yield /ha Duration Net income/ha BC Ration

	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.)
	PLR (SG) 2	TNAU (2009)	Snake gourd PLR (SG) 2	600	500	10	9900
			Vegetable special	1kg	140		
			Field board	1	350		
			TOTAL				

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
8	Vegetables	Cluster bean	Water scarcity for Summer crop (65%) Poor awareness on high yielding, drought hardy, alternate crops (60%) Low net profitability of other crops	Cultivation of MDU 1(2015 – TNAU) Complete package of Practice	Variety	SMS (Hort, Ag)	No of pods / plant. Duration Yield/ha BC ratio
	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.)
	MDU – 1	TNAU 2015	MDU 1 Seeds	4 Kg	2000	10	24700
			Vegetable special	1kg	120		
			Field board	1	350		
			TOTAL				

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
9	Poultry	Backyard poultry	Cluster – Manakkarai 1. Non availability quality chicks for rearing in the vicinity 2. Mortality in chicks due to infectious diseases (upto 40%) and prey animals (upto 40%)	Demonstration on oral pellet vaccine to prevent ranikhet disease (1 st week, 9 th week and 12 th week of age and repeat after every 6 th month) (TANUVAS 2010)	Desi birds	SMS (AS)	No.of chicks born No. of chicks died due to ranikhet disease No. of chicks died due to predator attack No. of chicks survived upto 3 rd month of age BCR
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo (25 birds/unit)	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)
		TANUVAS 2010	Oral pellet vaccine	3 vial	150	20	10000
			Field board	1	350		
			Total		500		

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied							
10	Nutrition garden	Nutrition Garden	Poor intake of vegetables (recommended daily allowance is 300 gm/day but only 120 gm /day) High cost of vegetables (60%) Lack of knowledge in multi nutritive value of vegetables and greens (40%) Intake of vegetables with toxic residues of pesticides (72%) Lack of utilization of unused water (60%)	Cultivation of organic nutritious vegetables Effective usage of home stead area / roof top or the vegetable cultivation	Variety	SMS (HS)	Vegetables availability – no of days /yr Vegetable yield / harvest /day Amount saved from the garden General health condition Nutrition knowledge of children before and after FLD							
								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.)
										Seed kit	1	50	10	19100
										Azophos	1 kg	50		
										Neem Soap	1 box	100		
										Vermi compost	5 kg	50		
										Effective Micro organism -A	1lr	60		
										Vermicompost cement ring	1	650		
										Vermi worms	1kg	600		
										Field board	1	350		
TOTAL					1910									

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied							
11	Mechanization	Ground nut	Labour shortage for post harvest technology (70%) Drudgery for farm women involved in ground nut stripping and decorticating (60%) Lack of access to groundnut stripper and decorticator (98%)	Drudgery reduction of women Demonstration and adoption of TNAU groundnut stripper and groundnut decorticator	Variety	SMS (HS) SMS (Ag)	Time efficiency Rate of drudgery reduction Quantity of ground nut stripped Quantity of ground nut decorticated							
								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.)
										Groundnut stripper	1	28,000	10	33000
										Decorticator	1	5000		
Total					33000									

10 Training for Farmers/ Farm Women during 2016 - 17

Sl. 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
1	Home Science	Kitchen Garden	Poor intake of vegetables by the farm women high cost of vegetables, Lack of knowledge in multi nutritive value of vegetables and greens, Intake of vegetables with toxic residues of pesticides Lack of utilization of used water	FLD	Importance of nutrition garden for nutritional security	1	20	SMS H.Sc,
2	Home Science	Green gram	Labour shortage for sowing and weeding in time Lack of practice on line sowing Lack of access to combined harvester, High cost of weeding	FLD	Drudgery reduction of farm women	1	20	SMS H.Sc
3	Home Science	Black Gram	Labour shortage for weeding in time Non availability of latest high yielding varieties in time Heavy usage of Weedicide & High cost of weedicide	FLD	Drudgery reduction of farm women	1	20	SMS H.Sc
4	Home Science	Ground nut	Labour shortage for post harvest technology Drudgery for farm women involved in ground nut stripping and decorticating Lack of access to groundnut stripper and decorticator	FLD	Drudgery reduction of farm women	1	20	SMS H.Sc
5	Horticulture	Banana	Water scarcity, Crop loss due to water stress	FLD	Planting techniques / High density planting	1	20	SMS(Hort)
6	Horticulture	Cluster bean	Water scarcity, no suitable high yielding alternate crops	FLD	MDU1 Cluster bean as an alternate for better profitability	1	20	SMS(Hort)
7	Horticulture	Cucurbits	Under utilization of resources, poor income and profit	FLD	Mixed cropping to enhance the net profit in Drumstick	1	20	SMS(Hort)
8	Horticulture	Banana	Damage due to wind, low yield, low net return, high cost of cultivation	FLD	Propping in banana using steel rings	1	20	SMS(Hort)
9	Horticulture	Drumstick	Poor cropping intensity, low production and net	FLD	Intercropping to maximize the	1	20	SMS(Hort)

			return		yield and income in drumstick			
10	Agronomy	Paddy	Low level of aware on improved high yielding varieties Lodging problem (50%) in ADT 45 Lack of awareness on IPM practices low yield from the Existing ruling Variety (ASD-16) Continuous usage of local seeds Poor cultivation practices	FLD, OFT	ICMP Paddy in Thamarabarani River Command area	2	20	SMS (Ag)
11	Agronomy	Sorghum	Low productivity in K-8 variety Crop losses in existing commercial varieties due to drought condition in later stage of this crop growth Late maturing long duration commercial varieties invites midges attack	FLD	ICMP in dual purpose Sorghum K (S) 12	1	20	SMS (Ag)
12	Agronomy	Blackgram	40% yield loss due to YMV Poor pod filling due to MN deficiency Labour shortage for weeding in time Non availability of latest high yielding varieties in time	FLD	ICMP Black Gram in Dry Land Farming techniques	1	20	SMS (Ag)
13	Agronomy	Greengram	40% yield loss due to YMV Poor pod filling due to MN deficiency Labour shortage for weeding in time Non availability of latest high yielding varieties in time	FLD	ICMP Green gram In Dry Land Farming techniques	1	20	SMS (Ag)
14	Agronomy	Groundnut	Labour shortage for harvesting Low level of awareness on improve, high yielding varieties Continuous usage of local seeds Lack of awareness on gypsum application	FLD	High yielding ground nut varieties for better yield and income	1	20	SMS (Ag)
15	Livestock Production	Backyard poultry rearing	Poor productivity of the desi birds, predator attack, mortality in birds	FLD	Improved backyard poultry rearing	6	120	SMS AS
16	Livestock Production	IFS	Reduced profitability and lack of employment	IFS	Integrating livestock ,and	2	40	SMS AS SMS AG

			due to non adoption of IFS		crop and animal residue recycling for IFS			
17	Livestock Production	Cattle	High production cost , production loss due to mastitis , production diseases and infectious diseases and infertility due to poor breeding and feeding practices	FLD	Profitable dairy farming practices	2	40	SMS AS
18	Livestock Production	Fodder	Non availability of green fodder	IFS, FLD	Green fodder cultivation & Preservation	1	20	SMS AS SMS Ag
19	Livestock Production	Goat & Sheep	Mortality in goats due to infectious diseases and parasitism	FLD, Extension activities, Vet.Camp	Feeding and disease management in sheep and goats	2	40	SMS AS
						28	540	

11. Training for Rural Youth during 2016 – 17

Sl. 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
1	Horticulture	Nursery	Under employment, lesser entrepreneurial Opportunities	Training	Quality seedling production under shadehouse using portray	1	20	SMS (Hort)
2	Horticulture	Terrace garden	Pesticide toxicity, poor intake of vegetables	training	Terrace garden establishment and management	1	20	SMS(Hort , Home science)
3	Horticulture	Seedling production	Poor quality seedlings, non availability of quality seedling in time	Training	Raising quality vegetable seedlings using pro tray	1	20	SMS (Hort)
4	Home Science	Minor millets	Lack of knowledge on value added products and marketing facilities	Training	Value addition on minor millets	1	20	SMS HS
5	Capacity Building Group Dynamics	JLG	Lack of knowledge on group dynamics and entrepreneurial skills	Training	Entrepreneurial Development training	1	20	SMS HS
6	Livestock Production	Goat rearing	Low productivity	Training	Goat rearing as an entrepreneurial activity	1	20	SMS AS
7	Livestock Production	Pigeon	Less awareness	Training	Pigeon rearing for squab production	1	20	SMS AS
8	Livestock Production	Turkey	Non availability and less awareness	Training	Turkey farming	1	20	SMS AS
9	Agronomy	All Crops	High cost of	Training	Panchakavya	1	20	SMS Ag

			pesticide		and Poochi viraty Production			
10	Agronomy	Mushroom	Non availability of crops	Training	Spawn and Mushroom Production methods	1	20	SMS Ag
11	Agronomy	Seed production techniques	Non availability and less awareness	Training	Seed production techniques in cereals, millets and pulses	1	20	SMS Ag
						11	220	

12 Trainings for Extension Personnel during 2016 – 17

Sl. No	Thematic area	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
1	Agronomy	Recent technology for pulses production and seed production	1	30	SMS (Ag)
2	Agronomy	Organic and Low cost pest control tools and usage	1	30	SMS (Ag)
3	Horticulture	Production of high value horticulture crops under protected structures	1	30	SMS(Hort)
4	Horticulture	Precision farming techniques for vegetables	1	20	SMS(Hort)
5	Horticulture	High density planting techniques for fruit crops	1	20	SMS(Hort)
6	Home Science	Importance and usage of drudgery reducing equipments	1	30	SMS H.S
7	Home Science	Value addition on minor millets	1	30	SMS H.S
8	Livestock Production , Management	Recent advances in dairy cattle management practices for profitable dairy	1	25	SMS AS
9	Livestock Production, Management	Breeds, rearing techniques, fodder and feeding and disease prevention practices	1	25	SMS AS
10	Livestock Production, Management	Recent advances in backyard poultry rearing	1	25	SMS AS
11	Livestock Production, Management	Recent advances in infertility management in cows	1	25	SMS AS
			11	290	

13 Vocational trainings during 2016 – 17

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
1	Horticulture	Production of high value horticulture crops under protected structures	1 (3 days)	Farmers & Extn.Personals	30	NABAR D	SMS (Hort)
2	Horticulture	High density planting techniques for fruit crops	1 (3 days)	Farmers & Extn. Personals	30	NABAR D	SMS (Hort)

3	Home Science	Value addition on minor millets	1 (3 days)	Youth & women	20	NABARD	SMS H.S
4	Home Science	Value addition on fruits	1 (5 days)	Youth & women	20		SMS H.S
5	Home Science	Oyster Mushroom Cultivation and Value addition	2 (3 days)	Youth & women	20		SMS H.S
6	Agronomy	Seed production technology	1 (3 days)	Farmer's & Youth	20		SMS Ag
7	Livestock Production & Management	Livestock integration in cropping system (IFS)	2 (5 days)	Farmer's & Youth	40		SMS AS SMS Ag SMS H.Sci.
			9		180		

14 Sponsored trainings during 2016 – 17

Sl. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes / Duration (days)	Type of Clientele	Expected No. of participants	Sponsoring agency	Names of the team members involved
1	Agronomy	Recent technology for pulses seed production	1 (1 day each)	Farmers and youth	40	ATMA	SMS (Ag)
2	Agronomy	Recent technology in oil seeds	1 (1 day each)	Farmers and youth	40	ATMA	SMS (Ag)
3	Horticulture	Production of quality vegetable seedlings using pro tray	1	Youths and HSG's	40	ATMA	SMS (Hort)
4	Horticulture	Production of high value horticulture crops under protected structures	1 (2 days each)	Farmers & Extn. Personals	30	NABARD	SMS (Hort)
5	Home Science	Post-harvest technology and value addition in Banana	1 (1 day each)	Farmers and youth	40	ATMA	SMS H.S, Horti
6	Home Science	Post-harvest technology and value addition in minor millets	2	Farmers and youth	40	NABARD & INSIMP	SMS H.Sc, Horti
7	Home Science	Capacity building program for JLGs	2	Farmers youth, Extn. Personals	40	NABARD	SMS H.S
8	Home Science	Capacity building program for FPOs	2	Farmersyouth, Extn. Personals	40	NABARD	SMS HS
9	Home Science	Establishment of nutrition garden for nutritional security	2	Farmers youth Extn. Personals	40	SCAD	SMS HS
10	Home Science	Low cost and high efficiency nutritious diet preparation	2	Farmers youth, Extn. Personals	40	SCAD	SMS HS
10	Livestock Production & Management	Recent advances in dairy cattle management practices for profitable dairy	1(1 day each)	Farmers and youth	40	ATMA	SMS AS
11	Livestock Production & Management	Goat Breeds, rearing techniques, fodder and feeding, disease prevention practices	1(1 day each)	Farmers and youth	40	ATMA	SMS AS
			13		470		

15. Extension programmes during 2016 – 17

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	350	1700	ALL SMS
15.2	Diagnostic visits	80	520	ALL SMS
15.3	Field Day	18	350	ALL SMS
15.4	Group discussions	30	400	ALL SMS
15.5	Kisan Ghosthi	1	200	ALL SMS
15.6	Film Show	3	1000	ALL SMS
15.7	Joint Liability Group	200	1000	ALL SMS
15.8	Kisan Mela	1	500	ALL SMS
15.9	Exhibition	6	420	ALL SMS
15.10	Scientists' visit to farmers field	210	1800	ALL SMS
15.11	Plant/Soil health campaign	6	150	ALL SMS
15.12	Farm Science Club	15	300	ALL SMS
15.13	Ex-trainees Sammelan	2	100	ALL SMS
15.14	Farmers' seminar/workshop	3	180	ALL SMS
15.15	Method Demonstrations	30	300	ALL SMS
15.16	Celebration of important days	4	550	ALL SMS
15.17	Exposure visits	3	80	ALL SMS
15.18	Technology week,	1	750	ALL SMS
15.19	Farm innovators meet	1	100	ALL SMS
15.20	Awareness programs	6	180	ALL SMS
15.21	Farmers meeting	20	400	ALL SMS
15.22	WSHG Meetings	20	400	ALL SMS
15.23	PRA	5	120	ALL SMS
15.24	Farmer Producer Organization	3	300	SMS HS
15.25	Animal health campaign	24	2500	SMS AS
TOTAL		1042	14300	

16. Activities proposed as Knowledge and Resource Centre during 2016 - 17**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	Nursery	1 ha	Farm manager, SMS Hort, SMS Ag
		Banana	1 ha	Farm manager, SMS Hort, SMS Ag
		Mango	1 ha	Farm manager, SMS Hort, SMS Ag
		Coconut(TXD)	3 ha	Farm manager, SMS Hort, SMS Ag
		Coconut (Tall)	0.8ha	Farm manager, SMS Hort, SMS Ag
		Sapota	1 ha	Farm manager, SMS Hort, SMS Ag
		Drumstick	0.4 ha	Farm manager, SMS Hort, SMS Ag
		Casuarina	0.4 ha	Farm manager, SMS Hort, SMS Ag
		Green fodder (CO-4)	0.2 ha	Farm manager, SMS Hort, SMS Ag
		High yield guava	0.2 ha	Farm manager, SMS Hort, SMS Ag
		16.1.2	Demonstration Units	Vermicompost unit
Mushroom unit	1			SMS Hs, Prog. Asst
Fish rearing unit	3 unit (360sqm)			Farm Manager, SMS AS
Fish farm pond	2 unit (700 sqm)			Farm Manager, SMS AS
Fish hatchery unit	1			Farm Manager, SMS AS
Squab rearing unit	10+10			Farm Manager, SMS AS
Poultry unit	100			Farm Manager, SMS AS
Japanese Quail	100			Farm Manager, SMS AS
Heifer calf rearing unit	5			Farm Manager, SMS AS
16.1.3	Lab Analytical services	Poultry hatchery	120 and 240 egg capacity	Farm Manager, SMS AS
		Soil and water test lab	250 samples	SMS Ag, Prog. Asst
		Bio tech lab	1000 kg of biofertilizer	SMS Ag, Prog. Asst

16.1.4	Technology Week	Suitability of high yielding varieties for vegetables, high density planting for fruit crops, poly house cultivation, fodder production, backyard poultry, goat and sheep rearing, soil and water conservation, farm machineries and implements, soil sampling, value addition of fruit & vegetables	5 days	ALL SMS
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16.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/Number planned to be produced during 2016 - 17	Names of the team members involved
16.2.1	Seeds	Sorghum K-12	4	SMS Ag and FM
		BlackgramVBN(Bg)-6	2	SMS Ag and FM
		GreengramCo-6(GG)	2	SMS Ag and FM
		Co -7 (Gg)	2	SMS Ag and FM
		Co (Fs)29	2	SMS Ag and FM
		Paddy seeds	6	SMS Ag and FM
		Lab lab seeds	1	SMS Hort and FM
16.2.2	Planting materials	Mango, Guava graft plants	3000	SMS Hort and FM
		Subabul	0.5	SMS Hort and FM
		Glyricidia	1000	SMS Hort, and FM
		Lab lab (Co-14)	1	SMS Hort, and FM
		Ornamental cuttings	10000	SMS Hort, and FM
		CN-CO-4	20000	SMS AS and Ag, FM
16.2.3	Bio-products	Azophos	2	Lab Technician
		Rhizophos	2	Lab Technician
		T.viridi	2	Lab Technician
		Pseudomonas fluorescense	2	Lab Technician
		Mushroom spawn	5	Lab Technician
		Salt lick	300	SMS AS, FM
16.2.4	Livestock strains	NDC-1 chicks	2000	SMS AS, FM
		JQNKL-1 chicks	3500	SMS AS, FM
16.2.5	Fish fingerlings	Stunted fingerlings	20000	PA fish, FM

16.3 Technological Information

Sl. No	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	3	SMS Ag
	Horticulture	4	SMS Horti
	Animal Husbandry	04	SMS AS
	Fisheries	1	SMS AS, SMS HS
	Home science	02	SMS HS
16.3.2	Literature/publication	12	All SMS
16.3.4	Electronic Media	5	ALL SMS
16.3.5	Kisan Mobile Advisory Services	60	Comp prog, SMS AS, HS, Ag, Hort
16.3.6	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also	Comp prog, SMS AS, HS, Ag, Hort

		indicate time of completion. (June 2016)	
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17. Additional Activities Planned during 2016 - 17

Sl.No	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	Coconut development board	Vocational training programme on climbing the coconut and maintenance of tree	6 days long vocational training for 20 persons in each batch for 4 batches	600000	SMS Agronomy SMS Horticulture SMS Home Science
17.2	NABARD	CAT Program on Horticulture, Home science and Animal Science discipline	2 days training and one day exposure visit to 30 farmers per program x 12 prog	600000	SMS Animal Science SMS Horticulture SMS Home Science
17.3.	NABARD	Promotion of FPO	3 FPO, 500 farmers per FPO	2700000 for 3 years	All SMS
17.4	NABARD	JLG Formation	500 groups	1000000 for 2 years	SMS Home Science

18. Revolving Fund**18.1 Financial status**

Opening balance as on 01.04.2015 (Rs.in Lakh)	Expenditure incurred during 2015 - 16 (Rs.in Lakh)	Receipts during 2015 – 16 (Rs.in Lakh)	Closing balance as on 28.02.2016 (Rs.in Lakh)	closing balance by 28.02.2016 (Including value of material in stock)
3.42	6.11	5.67	2.98	4.38

18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Anticipated net income in Rs.	Names of the team members involved
1	Poultry chick production	2000	200000	40000	SMS AS, FM
2	Japanese Quail production	3500	105000	17500	SMS AS, FM
3	Salt lick production	300 kg	18000	6000	SMS AS, FM
4	Nutrimix production	1000 kg	80000	60000	SMS HS, FM
5	Banana Cultivation	400 bunch	50000	30000	SMS Hort, FM
6	Biofertilizers - Azophos, Rhizophos,	500 kg	25000	12000	Lab Technician
7	Pseudomonas fluorescence	500 kg	40000	20000	Lab Technician
8	EM production	2000 lit	120000	40000	Lab Technician
9	Fruit graft seedlings production under PPP mode	5000 nos	125000	25000	SMS Hort & FM
10	HDP in guava under drip	200trees	60000 from 3 rd year onwards	40000	SMS Hort, FM
11	Cluster bean co14 lab labseed production	1.5qtl	45000	30000	SMS Hort, FM
12	Vegetables & greens	0.5ac	30000	20000	SMS Hort, FM
13	Mushroom	20 kg/month	3000/month 36000	18000	Lab Technician & FM
14	Forest saplings	5000nos	52500	35000	Farm Manager
15	Paddy seed production	70 qtl	90000	45000	SMS Ag, FM
16	Panchakavya production	50lit / month	60000	40000	SMS Ag, FM
17	Daincha seed production	3 qtl	12000	7000	SMS Ag, FM
18	Fodder seed production CO FS (29)	1 qtl	30000	20000	SMS Ag, FM
19	Maize Production	20 qtl	26000	16000	SMS Ag, FM
20	Black gram (Rice fallow)	3 qtl	21000	15000	SMS Ag, FM
21	Vermicompost	30 qtl	30000	25000	Farm Manager

19. Activities of soil, water and plant testing laboratory during 2016 - 17

Sl.No.	Type	No.of samples to be analyzed	Names of the team members involved
19.1	Soil	500	I.Jeyakumar, Lab Technician A.Murugan, SMS Agronomy
19.2	Water	100	-do-
19.3	Plant	50	-do-
19.4	Others	50	-do-

20. E-linkage during 2016 - 17

S. No	Nature of activities	Likely period of completion (please set the time frame)	Time frame	Team members involved
20.1	Title of the technology module to be prepared	Integrated farming system	April 2016	SMS AS Comp. Programmer
		Alternative poultry production enterprise	May 2016	SMS AS Comp. Programmer
		Haylage preparation and feeding	June 2016	SMS AS Comp. Programmer
		Silage preparation and feeding	Dec 2016	SMS AS Comp. Programmer
		Broiler goat rearing	July 2016	SMS AS Comp. Programmer
		Fodder cultivation and feeding livestock	Aug 2016	SMS AS Comp. Programmer
		Clean milk production	Sept 2016	SMS AS Comp. Programmer
		Comprehensive disease control in livestock	Oct 2016	SMS AS Comp. Programmer
		Cultivation fruit tree- mango, amla, guava, sapota	May 2016	SMS Horticulture Programme coordinator Comp. Programmer
		Cultivation of forest trees – casurina and Melia dubia	June 2016	SMS Horticulture Programme coordinator Comp. Programmer
		Net house vegetable cultivation	July 2016	SMS Horticulture Programme coordinator Comp. Programmer
		High density planting mango and guava	Aug, 2016	SMS Horticulture Programme coordinator Comp. Programmer
		Drought mitigation technologies	May 2016	SMS Agronomy Comp. programmer
		Integrated crop management in Paddy	June 2016	SMS Agronomy Comp. programmer
		ICM in Banana	July 2016	SMS Horticulture, SMS Agronomy Comp. programmer
		ICM in black gram	Aug 2016	SMS Agronomy Comp. programmer
		Organic farming practices for crop cultivation	Sept 2016	SMS Agronomy Comp. programmer
		Value added product preparation from amla	May 2016	SMS HS Comp. Programmer
		Value added product preparation from millets	June 2016	SMS HS Comp. Programmer
		Value added product preparation from baby corn	July 2016	SMS HS Comp. Programmer
		Value added product preparation from mango	Aug, 2016	SMS HS Comp. Programmer
		Value added product preparation from fish	Sept 2016	SMS HS,

				Comp. Programmer SMS HS, SMS AS. Comp. Programmer
		Value added product preparation from J.quail eggs	Oct. 2016	Comp. Programmer Prog. Coordinator
20.2	Creation and maintenance of relevant database system for KVK	Ex trainees database	May 2016	Comp. Programmer & Prog. Coordinator
		FLD database	June 2016	Comp. Programmer & Prog. Coordinator
		OFT database	July 2016	Comp. Programmer & Prog. Coordinator
		District profile updation	Jan 2017	Comp. Programmer & Prog. Coordinator
20.3	KVK web site in local language	Updating all the information in website	Round the year	All SMS , Computer programmer & Prog. Coordinator
20.4	Kissan mobile advisory messaging	For 2016 – 17	May 2016	All SMS , Computer programmer & Prog. Coordinator
20.5	OLRS	Updation and submission of all reports in OLRS	Every month	Comp. Programmer, SMS HS, Asst, Prog. Coordinator

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	NA	

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	Sept 2016
22.3	Brief action plan in this regard	A meeting will be convened for the extension officials and NGO representatives regarding farm innovation and the potential farm innovators will be identified with the help of them during the months of April to June. The short listed farm innovators will be visited by the KVK scientist and their farm innovation will be recorded during the month of July – Aug. Then one farm innovators meeting will be organized at the district level in KVK to spread the awareness about the innovations. Then their innovation will be fine tuned with the help of National innovation Fund to make it into a technology and commercially saleable.

23. Farmers Field School

Thematic area	Improving the productivity in dairy farming
Title of the FFS	Scientific dairy cattle management
Budget proposed in Rs.	Rs 30,000
Prioritized problem:	Poor quality milk with low fat or SNF content due to poor management practices less returns from dairy cattle rearing leading to reduction in number of milch cow keeping (40% of farmers (35 persons) gave up rearing milch cows because of less profitability in Pudur cluster, 10-20% loss in milk yield due to Mastitis (30% of cows were affected) , Infertility or delayed fertility due to mineral deficiencies (65% of cows were affected with this this problem in Pudur cluster)
Village identified	Chinnavanayakanpatti
Technologies to be taught	Clean milk production, scientific feeding , breeding housing and disease management
Number of farmers to be enrolled	25

Budget for FFS

S. No	Details	Unit cost	Amount
1	Clean milk production kit consist of milking pail, teat dipping solution, Mastitis diagnostic paper strip , Grand supplement , SMART MM supplement,	25 X Rs.950	23750
2	Printed literature @ Rs. 150 per participant for 25 participants and trainers and charts, colour markers etc...	25 X Rs.100	3750
3	Refreshment expenses for FFS members and resource persons	Rs.30x 10 sessions x 25	7500
4	Miscellaneous expenses for logistics support and documentation charges		5000
TOTAL			40000

24. Proforma for land utilization details

S.N	Particulars	Details	
1	Total land available with KVK in ha	21.43	
2	Total Wet land available with KVK in ha	2.43	
3	Total Garden land available with KVK in ha	7.67	
4	Total dry land available with KVK in ha	4.45	
5	Total cropped area in ha	14.55	
6	Total Non cropped area in ha (Area under buildings, road, well and farm pond)	4.08	
7	Crops planned to be cultivated in KVK campus during June to September 2016	Crop	Area (Ha)
		Casuarinas	0.4
		Drumstick	0.4
		Coconut	2.0
		Sapota	0.4
		Cambu Napier Co -4	0.4
		Fodder sorghum Co(Fs)29	0.4
		Banana	0.2
		Mango	1.45
		Lablab, greens	0.2
Nursery, Guava mother plant)	0.8		

8	Crops planned to be cultivated in KVK campus during October to February 2016	Agro silvi pasture (subapul,Neem, Kozhingi,Pungam and Horse gram, millets)	4.45
		Casurina	0.4
		Drumstick	0.4
		Maize	0.8
		Paddy	0.4
		Coconut	2.0
		Cambu napier Co-4	0.4
		Fodder sorghum Co(Fs)29	0.4
		Daincha	0.4
		Sapota	0.4
		Banana	0.2
		Mango	1.45
		Lablab, Greens	0.4
		Black gram	0.4
Brinjal	0.2		
Paddy	2.43		
Nursery, Guava mother plant	0.8		
9	Crops planned to be cultivated in KVK campus during March to May 2016	Agro silvi pasture (subapul,Neem, Pungam)	4.45
		Casurina	0.4
		Drumstick	0.4
		Coconut	2.0
		Cambu napier Co-4	0.4
		Fodder sorghum Co(Fs)29	0.4
		Sapota	0.4
		Banana	0.2
		Mango	1.45
		Cluster been	0.2
Daincha	2.43		
10	Area under building in ha	2	
11	Area under demonstration unit	0.8	
12	Any other remark	Nil	

24. Budget - Details of budget utilization (2015 – 16) Upto 29th Feb 2016

Sl.No	Particulars	Sanctioned	Released	Expenditure
24.1	Recurring Contingencies	BE	RE	Rs.
24.1.1	Pay & Allowances	1,02,89,000		71,88,874
24.1.2	Traveling allowances	90,000		35,906
24.1.3	Contingencies	6,70,000		
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	75,000		1,89,561
B	POL, repair of vehicles, tractor and equipments	1,00,000		80,689
C	Meals/refreshment for trainees	50,000		42,750
D	Training material	50,000		9,092
E	Frontline demonstration except oilseeds and pulses	2,83,000		1,43,599
F	FLD on special Pulses Programme / IFS	0		0
G	On farm testing	57,000		5,010
H	Training of extension functionaries	0		0
I	Maintenance of buildings	0		0
J	Extension activities	50,000		9,373
H	Farmers field School	0		0
I	Library	5,000		3,710
24.1	Total Recurring	1,10,49,000		77,08,564
24.2	Non-Recurring Contingencies			
24.2.1	Works	0		0
24.2.2	Equipments including SWTL & Furniture	0		0
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	0		0
24.2.4	Library	0		0
24.2	Total Non Recurring	0		0
24.3	REVOLVING FUND	0		0
24.4	GRAND TOTAL (A+B+C)	1,10,49,000		77,08,564

25.Details of Budget Estimate (2016 - 17) based on proposed action plan

Sl. No.	Particulars	BE 2016 - 17 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	10789000
25.1.2	Traveling allowances	200000
25.1.3	Contingencies	0
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	450000
<i>B</i>	POL, repair of vehicles, tractor and equipments	200000
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee)	150000
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	100000
<i>E</i>	Frontline demonstration except oilseeds and pulses	194450
<i>F</i>	Cluster FLD under NFSM pulses	75000
<i>G</i>	Cluster FLD under NMOOP oilseeds	65000
<i>H</i>	On farm testing	65485
<i>K</i>	Training of extension functionaries	50000
<i>L</i>	Maintenance of buildings	100000
<i>M</i>	Extension activities including rural veterinary camps instead of FLD in livestock sector	200000
<i>N</i>	Farmers field School	40000
<i>O</i>	Library	10000
25.1	TOTAL Recurring Contingencies	12688935
25.2	Non-Recurring Contingencies	0
25.2.1	Works	0
25.2.2	Equipments and Furniture	0
<i>A</i>	Tractor Replacement	1000000
<i>B</i>	Computer with Accessories	300000
<i>C</i>	Farm equipments like pulses seed drill, mechanized dry land weeder, paddy transplanter, bund farmer, etc	600000
25.2.3	Vehicle (Four wheeler replacement)	1000000
25.2.4	Library (Purchase of assets like books & journals)	0
25.2	TOTAL Non-Recurring Contingencies	2900000
25.3	REVOLVING FUND	
25.4	GRAND TOTAL	15588935

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