

PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2017 - 18**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 28 – 02 – 2017

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	Plant protection				
2.7	Subject Matter Specialist	Vacant	Agriculture extension				
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.Dhamodharan	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. Rajeshwaran	-	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 2016 - 17:

Sl.No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2017 – 18
1	07.09.2016	KVK should collect basic details of all its contact farmers with the target of 50 each SMS per month	It has been decided to finalize the data collection form and get it printed and start collecting the details from 1.10.2016 onwards and so for 800 farmers details have been collected and computerized	June 2017
		Advised to involve the department	It has been decided to invite the	

		officials and bank officials to tell their schemes for the farmers in the training programmes besides the farmers should also be oriented on the use of internet, SMART phone apps, etc in every training programme	department and bank officials for the upcoming training programmes by inviting through letters sent to them in advance, department officials and bankers were invited to participate in 6 on campus training programmes Computer programmer took a session on ICT applications to the trainees in all the training programmes conducted in the campus	
		Advised to see that brokers and traders will not get upper hand inside the FPOs formed	Decided to give good orientation to FPO members and directors in this regards along with the NGO staffs involved in this FPO formations	
		KVK should ensure the proper log book maintenance of all the instruments supplied under INSIMP project	SMS (Home Science) has been instructed to ensure as suggested and submit monthly report regarding this	
		Advised to send success stories of successful farmers to TNAU monthly magazine and also try to get best farmer award for successful farmers under KVK guidance	It has been decided to send the success story of Pakkiyaraj – Poovani, Madasamy, Sundar raj – Villathikulam, Kingsly – Pudukottai. Also been decided to identify and recommend successful farmers for the receipt of best farmer awards.	
		Advised to ensure the incorporation of KVK & ICAR name in all the products produced by KVK in attractive packing with manufacturing date, batch no, license no, Expiry date etc	Decided to immediately implement this suggestion based on the profitability and fund provision to all suitable KVK products. SMS Home science to take action and report regarding this.	
		KVK should develop a roof top nutrition garden with economics	It has been decided to work out this before the first quarter of 2017 and planned to upload the same in KVK website by involving SMS – HS and SMS – Hort , the work is in progress and will be completed within March 2017	
		The action taken on the advice of SAC members should be reported with clear data and evidence in the next meeting. Advised to give at least one message per SMS per month to AIR for broadcasting	It has been decided to clearly document all the activities of KVK in a easily retrievable mode with photograph with the help of computer programmer. It has been decided to adhere to the advice and send more regular messages to AIR for broadcasting, 6 messages have been sent as on date to AIR	
		Advised to outreach the activities of KVK through publications in local language	Decided to bring out the KVK newsletter in Tamil more regularly as advised and the March issue will be brought out during this month	
		Advised KVK to submit proposal for small grants under FSPF	Decided to submit 6 proposals for conducting CAT training programmes along with one programme for water conservation methods in irrigation by this month end and regularly submit proposals as per need analysis. Submitted 3 CAT proposals and one proposal for conducting seminar on drought management and got sanctioned to the tune of Rs.2.6 lakhs from NABARD	
		SAC meeting should be convened regularly at least once in a year	It has been decided to convene the next SAC meeting on Aug 2017	
		Up scaling the technology adoption is an important activity of KVK. It is	It has been decided to assess the technology spread on desi poultry rearing,	

		important to analysis the impact of KVK activities in these line in every 2 – 3 years	goat rearing and fodder production during this year	
		Integration of technologies is another important role of KVK in order to overcome the failure of individual technologies	It has been decided to integrate all possible technologies in the FLD programmes rather than concentrating on one or two technologies. All SMS are requested to adopt this and report in every monthly progress report	
		KVK should act as a good resource centre	As per the suggestion it is been decided to keep a notice board on available technologies in KVK and open a shop / outlet at the entrance near main road to make available of all KVK products for the general public and to approach NABARD for establishing rural mart for the purpose	
		FPO / JLG needs good leaders KVK should guide in this line	Two trainings were conducted the rural development staffs who are directly involved in formation of FPO/JLG in this line	
		Advised to operate the KVK production units under public private partnership mode	Accordingly to start with, preparation of mineral lick block, Kitchen garden seed kit packet preparation, Nutrimix production are done under PPP mode by involving WSHG, ITI students, and FPO members	
		KVK can send their contact farmers who produce vegetables to the vegetable sales shop maintained under the direct supervision of District collector to sell their produce. Also requested to give details of contact farmers who benefit in the outlet and who else are in need of this kind of support to district collector	As per the advice details of farmers who are supplying vegetables to Pasumai angadi were collect and the details weresubmittedto the PA agri with due recommendations for further action at their end in order to broadbase the procurement from the vegetable growing farmers of Ottapidaram block	
		CMFRI has the technology for cage culturing of lobster and prawn, KVK can take the interested entrepreneurs to CMFRI to receive this technology	3 rural youth from Keelavaippar and sippikulam village who are interested in artificial pearl culture were sent to CMFRI during its recently conducted open day programme to receive these technologies	
		KVK can keep display boards on hygienic handling of captured fish at landing site	It has been decided to keep awareness display boards in 4 prominent fish landing site. This will be carried out during April 2017	
		If any ATMA grant is received for printing extension literatures, it can also be extended for KVK based on demand or request	It has been planned to bring out at least 10 leaflets by utilizing ATMA funds in the ensuing season and manuscript were submitted already to ATMA Project director and awaiting for funding from their end.	
		Advised to give guidance and training for registering the organically cultivating farmers	It has been decided to collect the information about the organic farmers and conduct a training programmes to them by inviting the organic certification expertise in the month of April/May	
		Horticulture department will be giving support for establishing roof top nutritious garden. This message can be passed to needy	this message has been passed to the farmers in 12 training programmes by our SMS Horticulture and Home science	

	Requested KVK to produce Bavaria bessiana also and give it at affordable prize for the farmers	It has been decided to procure the same from TNAU or Pondicherry KVK until we get funds to start this unit	
	Requested KVK to help in marketing Vermicompost products	So far 2 tonnes of Vermicompost has been procured from Mr.G.D.Kingsly the vermicomposting entrepreneur and marketed through KVK outlet.	
	Advised to promote the usage of TANUVAS mineral mixture for livestock. KVK can procure TANUVAS mineral mixture from VCRI Tirunelveli and sell it for the needy farmers under revolving fund activity.	As advised it has been planned to procure and sell TANUVAS mineral mixture under KVK revolving fund activity based on the demand. Also decided to conduct training programmes at village level to increase the adoption level of mineral mixture feeding for livestock.	

4. Capacity Building of KVK Staff

4.1 Plan of Human Resource Development of KVK personnel during 2017 – 18

Sl.No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Organic livestock farming	ICAR-IVRI, Barielly	Organic farming is emerging trend and which need special training for efficient management
4.1.2	Animal disease control and management	TANUVAS, Chennai	Disease control and its management is foremost importance in livestock farming and the new methodologies need to be learned to help the farmers
4.1.3	Impact assessment	ICAR-NAARM, Hyderabad	Impact assessment is an very important role of KVK and training on impact assessment will help the KVK staff in doing impact assessment
4.1.4	ICT application for agriculture extension	ICAR-NAARM, Hyderabad	Knowledge on ICT application for agriculture extension is an important emerging area for KVK staff to gain knowledge
4.1.5	Agriculture machineries	ICAR-CIAE , Bhopal	Knowledge in the use of agriculture machineries and implements is very important to overcome the labour shortage in agriculture
4.1.6	Value addition and packaging technology	ICAR-CIPHET, Ludhiana	Processing and value addition of vegetables and fruits is very much essential to promote enterprises in agriculture sector

4.2 Cross-learning across KVKs during 2017 – 18

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 2017 – 18

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, Viruthunagar and Ramnad	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	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 2017 – 18

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	Poor cultivation practice, Continuous usage of local seeds, Lack of awareness on IPDM practices, Lack of awareness on fine grain varieties Ruling fine varieties BPT-(R) 5204, Susceptible to Bacterial leaf blight – Yield loss 30-40 % 6. Low land area (80%) Lack of awareness on saline resistant short duration varieties	2700ha	Alwarkarkulam (270ha) Akkanayakanpatti 125 ha Manjalneerkayal-265ha Poovani -50 ha	OFT – varietal assessment FLD , Training and advisory services
2	Black gram	Low productivity in VBN -3 variety / crop loss due to drought situation Avg. yield 2 q/ac only	32177 ha	Akkanayakanpatti – 35 ha Ottanatham – 150 ha Pudur – 200ha Poovani – 30ha	FLD, Training and advisory services
3	Green gram	Low yield (3.75q/h) YMV and Pod borer affects yield up to 30 %	29173 ha	Ottanatham-150ha Pudur – 250 ha Poovani – 25 ha Akkanayakanpatti – 40ha	FLD, Training and advisory services
4	Groundnut	Reduction in area of cultivation from 164ha to 25 ha – problem of commission agents – low profitability	1183 ha	Akkanayakanpatti (25ha) Poovani -35 ha	FLD, Training and advisory services
5	Sunflower	Lack of awareness on ICM Practices – yield loss 45 % Lack of awareness on high yielding new varieties and hybrid (45%) Poor pod filling due to MN deficiency (56%) Non availability of seed in time (82%)	1470 ha	Pudur – 125 ha	FLD, Training and advisory services
6	Sorghum	Low productivity in Hybrid sorghum(1750 Kg/ha) due to drought condition in later stage (50%), High cost and non-availability of commercial hybrid seeds, Late maturing long duration commercial hybrid invites midges attack (55%)	8327 ha	Pudur – 520 ha	FLD, Training and advisory services
7	Banana	Low return (Rs.55000/acre/year) in banana due to high cost of cultivation Yield loss due to pest and diseases (20%)	4000 ha	Manjaneerkayal (47 ha) Alwarkarkulam (54 ha)	Training , FLD on planting techniques, continuing OFT on scaffolding techniques
8	Chilli	Use of local ,Low yielding varieties Susceptibility of local varieties to fruit rot and anthracnose Little awareness on improved high yielding varieties of genuine source	14774 ha	Ottanatham – 35 ha Pudur – 150 ha	FLD, Training and advisory services
9	Guava	Underutilization of resources, Low production, productivity and net profit Little awareness on HDP system among the farmers	120 ha	Ottanatham – 1ha	FLD, Training and advisory services
10	Guard vegetables	Low Production, Productivity and net return Non availability of high yielding variety seeds	890ha	Siruthandanallur – 120ha	FLD, Training and advisory services

		Little awareness on Improved varieties Usage of local variety seeds			
11	Sheep and Goat	Ill thrift/ low weaning body weight (avg 5.5kg) due to MN deficiency Mortality due to infectious diseases upto 20% Low weight gain due to Fodder shortage (50%) Mortality due to grainoverloads (10%)	4.93 lakhs	Alwarkarkulam (2500) Pudur (12500) Ottanatham (2560) Poovani (2450)	FLD, Training, method demonstrations, veterinary camps
12	Backyard poultry	Mortality upto 40% due to RD	3.15 lakh	Alwarkarkulam (500) Pudur (1200) Ottanatham (560) Poovani (450) Manjaneerkayal(350)	Training, veterinary camps
13	Cattle	High cost of concentrate feed for high yielding cows reduces the profitability (85%) Excessive feeding of grain or gruel leading to development of SARA and locomotor abnormalities (25%) Green fodder shortage (90%) Poor nutritive value in straw and crop residue fed to cattle (80%) Reduced milk production due to mastitis (22%) and infertility (15%)	1.24 lakh	Akkanayakanpatti -65 Manjaneerkayal- 125 Pudur – 1265 Alwarkarkulam – 54 Ottanatham -115	FFS, Training, Demonstration, Veterinary camp, IFS and advisory services
14	Palmyrah tree	Lack of market outlet for Palm tuber in villages Lack of awareness about its value addition Underutilization of palm tuber even though it has high nutritive value Poor shelf life for fresh tuber	475 ha	Vembar and its cluster village (175 ha)	EDP, Training, advisory services and demonstration
15	Milk product	Low price for milk in the villages (Rs. 23 to 25 / Liter) for cow milk and Rs. 28 to 30/liter for buffalo milk Little awareness about value addition and marketing strategies Lack of small scale industry for processing of milk around their village Low income	1.24 lakh	Manjaneerkayal	EDP, Training, advisory services and demonstration

7. Abstract of Assessment proposed for the year 2017 - 18

Sl. No	Crop	Title	Village	Amount
1	Paddy	Contingent Plan of Rice cropping for Thamirabarani river Command Area	Alwarkarkulam	11950
2	Snake gourd	Assessing the yield performance of snake gourd varieties	Siruthandanallur	18500
3.	Dairy cow	Assessment of different preventive measures for subclinical mastitis in Dairy cow.	Manjaneerkayal	26000
4	Farm family	Assessment of glycemic index of traditional paddy varieties	Manjaneerkayal	6300
5	Paddy	Assessment for drudgery reduction of different weeders in paddy	Manjaneerkayal	17600
6	Maize	Assessment of Suitable low cost seed drill for reduction of drudgery among farm women in Maize cultivation	Chinnavinayakanpatti	17000
Total				97350

8. Technology Assessment during 2017 - 18

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied	
1	Paddy	Delayed release of water consequent to delayed onset of monsoon. Low organic matter of rice soils. Low Yield 4500 kg/ha. Lack of awareness fine grain varieties (60%) Ruling fine varieties BPT - 5204 is susceptible to bacterial leaf blight (35%) Continuous usage of local seeds (55%). District avg yield 4807kg/ha Farmers yield 4500kg/ha Potential yield of TKM-13 6200kg/ha Yield gap – 30%	Contingent Plan of Rice cropping for Thamirabarani river Command Area	SMS (Ag)	5	Soil organic content No of hill / m ² No of Productive tillers / hill No of seeds / panicle 1000 grain wt Pest and Disease incidence BC ratio	
		Technology options	Source of Technology	Name of critical input	Qty per trial (1.5ac)	Cost per trial	Total cost for the intervention (Rs.)
T1	Green manure - SRI	TNAU	Seed (TKM-13)	24 kg	840	11950	
T2	Green manure - Drum seeder rice		Green manure seed Daincha	20 Kg	1200		
T3	Rice cum green manure seeder		Field Board	1 No	350		
TOTAL					2390		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied	
2	Snake gourd	Non availability of high yielding variety seeds in time Little awareness on Improved varieties Usage of Authur local variety seeds and reuse of own hybrid seeds leading to Low Production, Productivity and net return Pest(fruit fly), Disease(Mosaic) problems Crop area in Siruthandanallur: 480 acres Local variety yielding an average of 20.6 ton/ac District yield: 22.4ton/ha Potential yield of the improved variety : 35 ton/ha Yield cap : 41%	Assessing the yield performance of snake gourd varieties	SMS (Hort)	5	Fruit weight, No of fruit / plant Fruit yield/ha Pest (fruit fly), diseases (mosaic) incidence BC Ratio	
	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total cost for the intervention (Rs.)	
	T1	Authur (F.P)	Local variety Authur local	PLR 2 seeds	1 Kg	1500	18500
	T2	PLR - 2	TNAU 2010	Baby seeds	1 Kg	1600	
	T3	Baby	KAU 2006	EM	2 Lit	250	
			Field board	1	350		
	TOTAL				3700		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied	
3	Dairy cow	High somatic cell count, incidence of subclinical mastitis, Poor shelf life of milk, reduced milk yield due to subclinical mastitis	Assessment of different preventive measures for subclinical mastitis in Dairy cow	SMS AS	10	% incidence of subclinical mastitis SCC Milk yield B.C. Ratio	
	Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total cost for the intervention (Rs.)
	T1	Farmers practice: keeping the shed clean, before milking washing the udder with water , treatment for reduction in milk yield if needed	Farmers practice	Nil			26000
	T2	Mastiguard - Teat Protect spray	(TANUVAS, 2016)	Mastiguard teat spray	1	2500	
	T3	Herbal teat Dip	(GADVASU, 2014)	SCC kit for 6 reactions	1	15000	
				Herbal teat dip	1	5000	
				Field board	1	3500	
	TOTAL				26000		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied
4	Farm family	Underutilization of traditional rice varieties Therapeutic properties of traditional rice varieties not known Increased incidence of diabetes among the farm family members due to excessive carbohydrate intake and low fiber intake in the diet	Assessment of glycemic index of traditional paddy varieties	SMS (HS)	20	Consumer preference test, sensory evaluation, pre and post prandial blood glucose level, recovery of flakes, BCR
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total cost for the intervention (Rs.)
T1	Milled rice IR 20, CR1009, TRY 3	SUGiRS	Rice flakes (3 varieties) and glucose	75gm	1000	6300
T2	Mapillai samba rice		Estimate for available carbohydrate	3 sample	900	
T3	Red kuruvikar rice		Glucometer and strips for glucometer	1 No	4400	
TOTAL					6300	

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied
5	Paddy	Drudgery during weeding operations. Low work out put	Assessment for drudgery reduction of different weeders in paddy	SMS (HS)	10	Pulse rate, energy expenditure, grip strength, time taken for weeding/ unit area
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total cost for the intervention (Rs.)
T1	Manual weeding		Rotary Star weeder	1	1000	17600
T2	Rotary star weeder for wet land (TNAU)		Modified cono weeder	1	1600	
T3	Modified cono weeder (ITK) Validated by KVK, Karur		Grip strength dynamometer	1	15000	
TOTAL					17600	

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied
6	Maize	Improper sowing Back pain problem due to manual sowing Difficult in weed management practices Low germination & productivity Wastage of seeds	Assessment of Suitable low cost seed drill for reduction of drudgery among farm women in Maize cultivation	SMS (HS)	10	Germination rate, farm women health status, no. of labourers, area coverage, time taken, productivity, Pulse rate, energy expenditure, grip strength, BCR
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total cost for the intervention (Rs.)
T1	CIAE seed drill	CIAE	CIAE seed drill	1	6000	17000
T2	PAU seed drill	PAU	PAU seed drill	1	7000	
T3	Rotary maize dibbler	TNAU	Rotary maize dibbler	1	4000	
TOTAL					17000	

9. Abstract of FLDs proposed for the year 2017 - 18 (on order of priority)

Sl. No	Crop/enterprise	Title	Village	Amount
1.	Paddy	Demonstration of Paddy Co (R) – 51 with ICM Practices for short duration variety	Melapooovani	30400
2.	Paddy	Demonstration of Paddy TRY (R) 3 with ICM Practices for saline affected area	Manjaneerkayal	33700
3.	Sorghum	Demonstration of dual purpose Sorghum K – 12 with ICMP practices	Chinnavinayakanpatti	23000
4.	Chilli	Demonstration of Chilli (Co(CH)-1)	Ottanatham	33500
5.	Guava	Demonstration of HDP system in Guava	Ottanatham, Melapooovani	32450
6.	Banana	Demonstration of High density planting system in Banana	Manjaneerkayal	23950
7.	Sheep	Demonstration of IAM practices in sheep	Melapooovani	29050
8.	Milk products	Demonstration of extension of shelf life of Paneer using herbs and spice	Manjaneerkayal	7100
9.	Drumstick products	Demonstration of production of dehydrated Drumstick leaves and their products as entrepreneurial activity	Siruthandanallur	52000
Total				2,65,150
Abstract of Cluster FLDs proposed for 17-18				
1	Black gram	Demonstration of Black gram VBN (Bg)-8 with ICM Practices	Ottanatham	34000
2	Green gram	Demonstration of Green gram CO (Gg) - 8 in Dry Land Farming	Ottanatham	34000
3	Ground nut	Demonstration Of Groundnut CO (Gn) 6 with ICM practices in garden land	Melapooovani	42000
4	Sun Flower	Demonstration Of Sunflower CO (SFH) - 2 in Dry Land Farming (continued for the year 2016-17)	Pudur	14000
Total				1,24,000

10. Frontline Demonstrations during 2017 - 18

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 awareness on high yielding new varieties (92%) Lack of awareness on INM -IPDM practices (78%) low yield from the existing ruling Variety (ADT (R) 45 (4350 kg/ha) (110 days) Continuous usage of local seeds, Poor cultivation practices (78%) Yield details Dist.Avg. – 4507kg/ha Farmers avg. – 4350kg/ha Average yield of Co R - 51: 6700kg/ha Yield gap – 35%	ICMP in Paddy Co (R) 51 (TNAU 2013) duration 105 – 110 days - Medium slender Y – 6.7 t/ha) INM Methods Apply green manure (Daincha)@ 50 kg seeds/ha Bio fertilizer application + NPK 150 : 50 : 50 + zinc Sulphate 25 kg /ha IWM - Pre-emergence herbicides - Butachlor 1.25kg/ha IPM Practices. Stem borer and leaf folder – By releasing T.chilonis and T.japonicum parasitoids respectively @ 2cc/acre - 3times at 15 days interval	Variety	SMS (Ag) SMS (Hort)	Organic matter content No of hill / m ² No of tillers / hill No of seed / panicle Yield/ha Stem borer, Leaf folder Rice blast incidence Weed biomass 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.)
	Co (R) 51	TNAU 2013	Paddy Co (R) 51	24Kg	840	10	30400	
			Azophos	1kg	50			
			T.chilonis, T.japonicum	2cc	600			
			Daincha seed	20 Kg	1200			
			Field Board	1 No	350			
			TOTAL		3040			

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied							
2	Cereals	Paddy	<p>Low level of awareness on high yielding new varieties (80%)</p> <p>Lack of awareness on saline resistant varieties and reclamation of saline soil (60 %)</p> <p>Lack of awareness on INM -IPDM practices (68%)</p> <p>low yield from the existing ruling Variety ASD (R) 16 (4550 kg/ha)</p> <p>Continuous usage of local seeds, Poor cultivation practices (78%)</p> <p>P^H – 8.3 and Ec – 1.2</p>	<p>ICMP in Paddy TRY (R) 3 (TNAU 2010) duration 135 days - Medium bold Y – 5.8 t/ha)</p> <p>INM Methods</p> <p>green manure (Daincha)@ 50 kg seeds/ha</p> <p>Bio fertilizer application and gypsum application 200 kg /ac + NPK 150 : 50 : 50 + zinc Sulphate 25 kg /ha + Split application of N and K fertilizers and urea can be mixed with gypsum and neem cake at 5:4:1</p> <p>IWM - Pre-emergence herbicides - Butachlor 1.25kg/ha.</p> <p>IPDM Practices. Stem borer and leaf folder – By releasing T.chilonis and T.japonicum parasitoids respectively @ 2cc/acre - 3times at 15 days interval</p>	Variety	SMS (Ag) SMS (HS)	<p>Soil EC, pH, SAR, OC (before and after)</p> <p>No of hill / m2</p> <p>No of tillers / hill</p> <p>No of seed / panicle</p> <p>Stem borer, Leaf folder</p> <p>Rice blast incidence</p> <p>Weed biomass</p> <p>Yield/ha</p> <p>BC ratio</p>							
								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.)
								TRY (R) – 3	TNAU 2010	Paddy TRY (R) 3	24Kg	840	10	33700
										Azophos	1kg	50		
										Daincha	20kg	1200		
										T.chilonis and T.japonicum egg card	2cc	600		
										EM	3lit	330		
Field Board	1 No	350												
TOTAL				3370										

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied							
3	Millets	Sorghum	<p>Low productivity in Hybrid (1750 Kg/ha) sorghum due to drought condition in terminal stage (50%)</p> <p>High cost and non-availability of commercial hybrid seeds</p> <p>Late maturing long duration commercial hybrid invites midges attack (55%)</p> <p>Crop Area in ha - 150 ha (chinnavanaickanpatti)</p> <p>Dist. Avg. Yield - 1200kg/ha</p> <p>Farmers yield - 1750 kg /ha</p> <p>Avg. yield of K-(S)12 - 3123 kg/ha</p> <p>Yield gap in % - 43</p>	<p>ICMP in Sorghum K – 12 (duration 95 days) – Yield 3123 Kg/ha</p> <p>Seed treatment – Azophos</p> <p>INM – N:P:K (90:45 :45 kg/ha)</p> <p>Micronutrient mixture 12.5 kg /ha</p> <p>IWM - PE Atrazine @ 0.25 kg/ha on 3-5 DAS</p> <p>Foliar application of PPFM 1% (Or) EM 2% at 20 days interval</p>	Variety	SMS (Ag) SMS (HS)	<p>No of hills / m²</p> <p>No of tiller /hill</p> <p>No of seed /head</p> <p>Weed biomass</p> <p>BC ratio</p> <p>Yield /ha</p>							
								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.)
								K – 12	TNAU 2015	Sorghum – K – 12	4kg	200	20	23000
										Azophos	1kg	50		
										PPFM / EMA	1Lit	300		
										MN Mixture	5 Kg	250		
										Field Board	1 No	350		
TOTAL				1150										

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
4	Pulses	Black gram	Little awareness on short duration high yielding new varieties 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%) Crop area in ha -350 (Ottanatham) Dist .avg. yield kg/ha- 330 Farmers yield kg/ha – 480 Average yield of VBN (Bg) 8 = 900kg/ha Yield gap – 46 %	ICMP – VBN (Bg) 8 (TNAU,2016) (crop duration 65-70days, yield 900 kg/ha) Seed treatment – <i>T. Viridi</i> @ 4g/kg seed - Rhizobium Application of N:P:K – 12.5:25:12.5 Kg/ha Foliar spray to mitigate moisture stress 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, Twin hoe weeder for weeding Pulse wonder spray 5kg/ha IPDM Practices for pod borer and YMV	Variety	SMS (Ag) SMS (HS)	No of plants / m ² No of pods /plant No of seeds /pod Weed DMP/m ² No of manpower / day /weeding Pod borer and YMV incidence Yield /ha BC ratio	
	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.)
	VBN (Bg) – 8	TNAU 2016	Seed	8Kg	800	10	34000	
			Rhizophos	1Kg	50			
			PPFM / EMA	1Lit	300			
			Pulse wonder	2kg	400			
			Twin Wheel Hoe Weeder (CIAE, Bhopal)	1	1500			
			Field Board	1	350			
			TOTAL		3400			

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
5	Pulses	Green gram	Little awareness on short duration high yielding new varieties 40% yield loss due to YMV Poor pod filling due to MN deficiency (65%) Labour shortage for weeding in time (72%) Non availability of seed in time (91%) Crop area in ha -550 (Ottanatham) Dist .avg. yield kg/ha- 300 Farmers yield kg/ha – 440. Avg. yield of Co -8 = 845 kg/ha Yield gap – 47 %	ICMP – CO (Gg) 8 (TNAU,2011)(crop duration 65 days, yield- 845 kg/ha), Seed treatment – <i>T. Viridi</i> @ 4g/kg seed – rhizobium Fertilizer application-Rainfed : 12.5 : 25 : 12.5 kg of NPK/Ha (as basal) +10 kg S/ha Foliar spraying of 2% KCl to mitigate moisture stress Pulse wonder spray 5kg/ha IWM - Pendimethalin 2.5 lit/ha application 3 DAS Quizolofop ethyl @ 50g ai/ha and Imazethepyr @ 50g ai/ha application on 15-20 DAS IPDM Practices for pod borer and YMV	Variety	SMS (Ag) SMS (Hort)	No of plants / m ² No of pods /plant No of seeds /pod Weed DMP/m ² No of manpower / day /weeding Pod borer and YMV incidence Yield /ha BC ratio	
	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.)
	Co (Gg) – 8	TNAU 2011	Seed	8Kg	800	10	34000	
			Rhizophos	1Kg	50			
			PPFM / EMA	1Lit	300			
			Pulse wonder	2kg	400			
			Twin wheel hoe weeder	1	1500			
			Field Board	1	350			
			TOTAL		3400			

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
6	Oil seeds	Groundnut	<p>Low level of awareness on high yielding new varieties (90%)</p> <p>Continuous usage of local seed (98%)</p> <p>Labour shortage for sowing and weeding in time (75%)</p> <p>Non availability of seed in time (91%)</p> <p>Dist. Avg. Yield/ ha - 1200kg</p> <p>Farmers yield / ha - 1400 kg</p> <p>Crop Area in ha - 20ha (Melapoovani)</p> <p>Avg. yield / ha - 1914 kg</p> <p>Yield gap in % - 27 %</p>	<p>ICMP – CO (Gn) 7 (TNAU, 2013) (Crop duration 105 days, yield- 2806kg/ha)</p> <p>Seed treatment – <i>T. Viridi</i> @ 4g/kg seed</p> <p>Fertilizer application – NPK 25:50:75 Kg/ha</p> <p>Gypsum application 400kg / ha</p> <p>IWM - Pendimethalin 2.5 lit/ha application 3 DAS</p> <p>Quizolofop ethyl @ 50g ai/ha and Imazethepyr @ 50g ai/ha application on 15-20 DAS</p> <p>Groundnut rich spray 5kg/ha</p> <p>IPDM Practices</p> <p>Early leaf spot- carbendazim 500g/ha if necessary repeat 15 days after</p> <p>Combined infection of rust and leaf spot- spray Chlorothalonil 1000g/ha</p> <p>Red hairy catter pillar - raise one row of cowpea for every five rows of groundnut</p> <p>Phosalone 35 EC 75ml/ha in 375ml of water</p> <p>Leaf minor- light trap @12/ha and spray dimethiote 30EC 660ml/ha</p>	Variety	SMS (Ag) SMS (Hort)	<p>No of plants / m²</p> <p>No of pods /plant</p> <p>No of seeds /pod</p> <p>Leaf spot,</p> <p>Leaf minor incidence</p> <p>Weed biomass</p> <p>Yield /ha</p> <p>BC ratio</p>
	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.)
	Co (Gn) – 7	TNAU 2013	Co (Gn) 7 Seed	50 Kg	3000	10	42000
			Rhizophos	1Kg	50		
			Groundnut Rich	2 Kg	800		
			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
7	Oil seeds	Sun Flower	<p>Little awareness on ICM Practices – yield loss 45 %</p> <p>Little awareness on high yielding new varieties and hybrid (45%)</p> <p>Poor pod filling due to MN deficiency (56%)</p> <p>Scarcity of seed in time (82%)</p> <p>Crop area in ha – 270 (Pudur)</p> <p>Dist .avg. yield kg/ha- 840</p> <p>Farmers yield kg/ha – 925</p> <p>Avg. yield - 1950 kg/ha</p> <p>Yield gap – 52 %</p>	<p>ICMP – CO (SFH) 2 (TNAU,2010)</p> <p>crop duration 85 -90 days, yield- 1950 kg/ha</p> <p>Seed soaking 2% ZnSO₄ for 12 hour. Seed treatment – <i>Azospirillum</i> 600 g/ha and Phosphobacteria 600 g /ha – <i>T.viride</i> 4g /kg seed</p> <p>Fertilizer application- Rainfed : 40: 50 : 40 kg of NPK/ha and TNAU MN Mixture 12.5 kg /ha</p> <p>Apply sulphur 20kg /ha and gypsum 200 kg /ha</p> <p>Foliar spray of borax 0.2 % (2gm /lit water)</p> <p>Foliar spraying of 2% KCL to mitigate moisture stress</p> <p>IWM - Fluchloralin 2 lit/ha application 5 DAS</p> <p>Improved seed set practices</p>	Variety	SMS (Ag, Hort)	<p>No of plants/m²</p> <p>No of Seeds/Capitulum</p> <p>Dia/Capitulam</p> <p>Pest incidence</p> <p>Yield/ha</p> <p>BC ratio</p>

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.)
Co (SFH) – 2	TNAU (2010)	Seed	2 Kg	400	10	14000
		Azophos	1Kg	50		
		MnMixer	5kg	300		
		PPFM/EM	1 lit	300		
		Field Board	1	350		
TOTAL				1400		

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
8	Vegetables	Chilli	Use of local ,Low yielding varieties Susceptibility of local varieties to fruit rot and anthracnose Little awareness on improved high yielding varieties of genuine source Thrips and mite attack Lower production and profit	Introduction of Chilli Co(CH)-1 to enhance production, productivity and net profit Foliar application of 2% EM on 45 th , 60 th and 75 th day. Foliar application of 0.5% Psuedomonas liquid formulation to control fruit rot or COC 0.25% 3 spraying first spray just before flowering and 2 nd at the time of fruit formation and 3 rd 15 days after 2 nd spray. Thrips management Intercrop with agathi to provide shade Sprinkle water on seedlings. Seed treatment with imidacloprid 12g/kg of seed Spray spinosad 45% SC 4ml/10lit of water Yellow Mite management Encourage the activity of predatory mite Amblyseius ovalis / Sulphur dust @4gm/lit. Spray with Quinalphos 255EC 1.5ml/lit	Hybrid	SMS (Hort, Ag)	No of plants/m2 % of fruit rot attack No of fruits/plant Thrips, mite and fruit rot incidence Yield/ha Net profit/ha BCR
	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.)
	Co (CH) – 1	TNAU 2011	Chilli – Co(CH)1 seed	100gm	2400	10	33500
			EM	2lits	300		
			Pseudomonas liquid formulation	2kg	300		
			Field board	1	350		
	TOTAL				3350		

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
9	Fruits	Guava	Underutilization of resources Low production productivity and net profit/unit area Little awareness on HDP system among the farmers	HDP system Planting saplings in 2x3m spacing Canopy management with judicious pruning Foliar application of micro nutrient spray	Variety	SMS (Hort, Ag)	Days to first harvest Fruit weight(gm) Fruit yield/ha BC ratio
	L- 49	CSIH	Guava layers	330 nos	330 x 40=13200	5	34250 – ICAR Share 34250 – Farmer share
			Micro nutrients	1kg	150		
		Field board	1	350			
TOTAL				13700			

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied							
10	Fruits	Banana	Underutilization of space, water and soil (spacing 2.25x2.25m, 800plants/acre) Lower net profit/unit area due to single crop Panama wilt Ruling Variety : Sakkai Area under banana : 47 hac Ave. income/ac/yr : Rs.55,000 Farmers yield : 28.5 ton/ac District yield : 26 ton/ac Potential yield : 36 ton/ac Yield gap : 20%	HDP system – planting of 2 suckers per pit (spacing 1.8x 3.6m:1600 plants per acre) Application of NPK 110:35:330 on 3 rd , 5 th , 7 th after planting Application of Azospirillum, Phosphobacteria 2kg each at the time of planting Spraying of 2% EM Spraying of 0.5% Banana special on 5 th , 6 th and after bunch emergence Pseudomonas application on 2 nd , 4 th , 6 th month after planting	Variety	SMS (Hort, Ag)	Organic content, Bunch weight/tree Wilt incident Yield/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	Sunhemp seeds	20kg	1200	10	23950
										Banana special	1.5kg @Rs.150/kg	225		
										EM	2lits @Rs.110/lit	220		
										Pseudomonas	1kg	80		
										Azospirillum, Phosphobacteria (2kg each)	4kg	320		
		Field board	1	350										
TOTAL				2395										

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
11	Animal	Sheep	Mortality upto 30 % in adults and 50% in lambs due to infectious diseases like sheep pox, Entero toxemia, Anthrax, Blue tongue Pneumonia and ectoparasitism vaccination and deworming : all done without the advice of veterinarian but by peer interaction No dipping is practiced to control ecto parasites	TANUVAS 2014 Vaccination sheep pox, Entero toxemia, Anthrax, Blue tongue Pneumonia and ectoparasitism deworming and Didicking	Variety	SMS (AS)	No of lambs born Weaning percentage Weaning weight Growth rate of kids upto marketing Morbidity and Mortality due to infectious diseases 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.)
	Vambur		Tetanus toxoid	100 ml	800	10	29050
			Entero toxemia Vaccine	200 ml	260		
			Blue tongue vaccine	100 dose	1300		
			Mineral lick	3 kg	195		
			Field Board	1	350		
			TOTAL		2905		

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
12	Value addition	Milk product	Low shelf life of paneer Bland flavour of paneer Lack of variety in paneer	Flavoured Paneer production (Mint, Coriander and cumin)	-	SMS (HS)	Recovery of paneer, organoleptic characteristics and shelf life
	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.)
	-	HSC&RI, 2016	Raw materials	1	460	10	7100
			Paneer press	1	2500		
			TOTAL		2960		
13	Value addition	Moringa	Widespread prevalence of anaemia among women. Lack of knowledge on preparation of iron rich convenience foods	Dehydration and value addition of Moringa leaves and pods – dehydrated Moringa and leaves, Moringa based convenience food mixes, quality control, packaging and labeling	-	SMS (HS)	Time for dehydration, recovery, organoleptic properties, BCR
	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.)
	-	TNAU 2014	Raw materials for value added products	1	1000	5	52000
			Packaging and labeling	1	1000		
			Solar drier	1	50000		
			TOTAL		52000		

11. Integrated Farming System

Thematic area	Integrated Farming System (IFS)		
Budget proposed in Rs.	30050		
Technology to be demonstrated	Rearing improved desi chicken like NDC – 1(TANUVAS 2010) Pigeon Squab rearing Azolla cultivation for livestock and poultry feeding (TANUVAS, 2010) Recycling crop residues through vermicomposting in honeybee rearing, organic inputs		
Village identified	Manjaneerkayal, Melapoovani, Ottanatham		
Number of farmers to be enrolled	9		
Budget for IFS			
S. No	Details	Unit cost	Amount
1	Silpaulin sheet , shade net and Azolla inoculum	Rs. 1250 X 6 Demo	7500
2	Earth worms for Vermicomposting (5Kg)	Rs. 2000 X 4 Demo	8000
3	Panchakavya and organic Pest repellent preparation using plastic drum (2 lit)	Rs. 600 X 6 Demo	3600
4	Improved backyard poultry chicks (10 Nos)	Rs. 1000 X 6 Demo	6000
5	Honey bee boxes with hives (1 box)	Rs. 1650 X 3 Demo	4950
TOTAL			30050

Details of farming system practices with IFS farmers identified for interventions

Village	Name of the farmer	Farming practices available	Possible proposed Inclusions
Manjaneerkayal	P.R.Sundarraaj 1/128 sivasundari amman kovil street Manjalneerkayal	Cropping pattern Wet land - Paddy-Black gram or Paddy- Banana Livestock - Cattle , Composting by open yard method	Azolla cultivation Vermicomposting Panchakavya and bio Pest repellent preparation Improved backyard poultry rearing Honey bee keeping
	V.Madhavan Palayakayal	Cropping pattern Wet land - Paddy-Black gram or Paddy- Banana Livestock - Cattle , Composting by open yard method	Azolla cultivation Vermicomposting Panchakavya and bio Pest repellent preparation Improved backyard poultry rearing Honey bee keeping
	P.Ponselvi w/o palraj, 1/47 North street, Manjalneerkayal	Cropping pattern Wet land - Paddy-Black gram or Paddy- Banana Livestock - Cattle , Composting by open yard method	Azolla cultivation Vermicomposting Panchakavya and bio Pest repellent preparation Improved backyard poultry rearing
Ottanatham	Mookaiya	Cropping pattern Garden land - Vegetable/Flower – Cotton + Fodder agathi Dry land - Black gram/green gram/ Sorghum Livestock – goat Composting by open yard method	Pigeon Squab rearing Improved backyard poultry rearing Azolla cultivation Panchakavya and Pest repellent preparation Fodder sorghum
	Karuppasamy	Cropping pattern Garden land - Fodder agathi, Subabul + fodder sorghum Dry land - Black gram/green gram/ Sorghum Livestock – goat Composting by open yard method	Pigeon Squab rearing Improved backyard poultry rearing Azolla cultivation Panchakavya and Pest repellent preparation
Melapoovani	Balavesam	Cropping pattern Garden land – Paddy-Vegetable/Flower – Cotton Dry land - Black gram/green gram/ Sorghum Livestock – goat, Composting by open yard method	Pigeon Squab rearing Improved backyard poultry rearing Vermicomposting Azolla cultivation Honey bee keeping Panchakavya and Pest repellent preparation

12. Entrepreneurship Development Program (EDP)

No.	1		
Title of the Program	Promotion of Palmyra Products		
Budget proposed in Rs.	32500		
Prioritized problem	<ul style="list-style-type: none"> Lack of market out let for Palm tuber in villages Lack of awareness about its value addition Underutilization of palm tuber even though it has high nutritive value Poor shelf life for fresh tuber 		
Technology to be demonstrated	<ul style="list-style-type: none"> Demonstration of Palm Tuber Flour preparation and value added products from Palm Tuber Flour – Murukku, laddoo, Paniyaram, cookies etc. (Source: TNAU - 2015) Branding, Labeling and attractive packing and marketing through JLG / FPO linkage . 		
Village identified	Vembar		
Number of farmers to be enrolled	10		
Budget for EDP			
S. No	Details	Unit cost	Amount
1	Cabinet Drier	45000	45000
	Packing and labeling	10000	10000
TOTAL (50% cost sharing basis) ICAR contribution Rs.32500 only			55000

13. Training for Farmers/ Farm Women during 2017 - 18

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	Snake gourd	Low productivity of local varieties	OFT	High yielding snake gourd varieties	2	40	SMS(Hort)
2	Horticulture	Guava	Low productivity due low plant population	FLD	High density planting techniques	2	40	SMS(Hort)
3	Horticulture	Banana	Low productivity due low plant population	FLD	High density planting techniques	2	40	SMS(Hort)
4	Horticulture	Chilli	Low productivity of local varieties	FLD	High yielding chilli varieties	2	40	SMS(Hort)
5	Home science	Palmyrah	Lower income to palmyrah growers	FLD/EDP	Value addition to the Palmyrah products	2	40	SMS(H.Sc)
6	Home science	Pulses	Storage pest damage in pulses	FLD	Safe and clean storage of pulses	2	40	SMS(H.Sc)
7	Home science	Pulses	Drudgery to women in grading and cleaning of grains	FLD	Improved grading and cleaning methods	2	40	SMS(H.Sc)
8	Agronomy	Paddy	Low yielding of paddy varieties	OFT	High yielding paddy variety for river command area	2	40	SMS(Agr)
9	Agronomy	Paddy	Low productivity of traditional varieties	FLD	ICM for Co(R) – 51Paddy	2	40	SMS(Agr)
10	Agronomy	Paddy	Low productivity of traditional varieties	FLD	ICM for TRY - 3Paddy	2	40	SMS(Agr)
11	Agronomy	Sorghum	Low productivity of traditional varieties	FLD	ICM for K-12 sorghum	2	40	SMS(Agr)
12	Agronomy	Black gram	Low productivity of traditional varieties	FLD	ICM for VBN 8 variety	2	40	SMS(Agr)
13	Agronomy	Green gram	Low productivity of traditional varieties	FLD	ICM for Co(Gg) 8 variety	2	40	SMS(Agr)
14	Agronomy	Groundnut	Low productivity of traditional varieties	FLD	ICM for Co(Gn) 6 variety	2	40	SMS(Agr)
15	Agronomy	Sun Flower	Low productivity of traditional varieties	FLD	ICM for Co(SFSH)- 6 variety	2	40	SMS(Agr)
16	Livestock Production	Backyard poultry rearing	Poor productivity of the desi birds, mortality in birds	Extension activities, Vet.Camp	Improved backyard poultry rearing	6	120	SMS AS

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17	Livestock Production	IFS	Reduced profitability and lack of employment due to non-adoption of IFS	IFS	Integrating livestock with crop and residue recycling	2	40	SMS AS SMS AG
18	Livestock Production	Cattle	High production cost , production loss due to mastitis , production and infectious diseases, infertility due to poor breeding and feeding practices	FFS	Profitable dairy farming practices	2	40	SMS AS
18	Livestock Production	Fodder	Non availability of green fodder	Training , FFS	Green fodder cultivation & Preservation	1	20	SMS AS SMs Ag
19	Livestock Production	Goat & Sheep	Mortality in Sheep and goats due to infectious diseases and parasitism	FLD, Vet.Camp	Feeding and disease management in sheep and goats	2	40	SMS AS
TOTAL						43	860	

14. Training for Rural Youth during 2017 – 18

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 Management	Poor quality planting materials	Training	Quality seedling production under protected structures	1	20	SMS(Hort)
2	Horticulture	Nursery Management	Un employment and under employment	Training	Plant propagation techniques	1	20	SMS(Hort)
3	Home science	Vegetables	Poor quality vegetables,	Training	Terrace Garden forming techniques	2	40	SMS(H.Sc)
4	Home science	Millets/Palm yrah/ fruits	Little awareness on value addition and marketing	Training/FLD	Value addition and marketing strategies	2	40	SMS(H.Sc)
5	Livestock Production	Goat rearing	Low productivity	Training	Goat rearing as an entrepreneurial activity	2	40	SMS AS
6	Livestock Production	Japanese quail	Non availability and less awareness	Training	Japanese quail farming	1	20	SMS AS
7	Agronomy	All Crops	High cost of pesticide	Training	Panchakavya and Poochiviraty Production	1	20	SMS Ag
8	Agronomy	Mushroom	Non availability of crops	Training	Spawn, Mushroom Production methods	1	20	SMS Ag
9	Agronomy	Seed production techniques	Non availability and less awareness	Training	Seed production in cereals, millets and pulses	1	20	SMS Ag
TOTAL						12	240	

15. Trainings for Extension Personnel during 2017 – 18

Sl. No	Thematic area	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
1	Increasing the crop productivity	Recent technology for pulses, cereals and oilseeds production	2	60	SMS (Ag)
2	Drought management	Technologies for sustaining livelihood security of farmers in drought prone areas	2	60	SMS (Ag) SMS (Horti) SMS (AS) SMS (H.Sci.)
3	Cultivation under protected structures	Production of high value horticulture crops under protected structures	1	20	SMS(Hort)
4	Increasing the unit area productivity	High density planting techniques for fruit crops	1	20	SMS(Hort)
5	Home Science	Importance and usage of drudgery reducing equipment	1	20	SMS (H.Sc)
6	Home Science	Value addition on minor millets	1	20	SMS (H.Sc)

7	Livestock Production , Management	Recent advances in dairy cattle management practices for profitable dairy	1	20	SMS AS
8	Livestock Production, Management	Drought period and Summer management in livestock and poultry	1	20	SMS AS
9	Livestock Production, Management	Recent advances in backyard poultry rearing	1	20	SMS AS
10	Livestock Production, Management	Recent advances in infertility management in cows	1	20	SMS AS
TOTAL			12	280	

16. Vocational trainings during 2017 – 18

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	NABARD	SMS(Hort)
2	Horticulture	High density planting techniques for fruit crops	1 (3 days)	Farmers & Extn. Personals	30	NABARD	SMS (Hort)
3	Horticulture	Recent advances in banana cultivation	1 (3 days)	Farmers & Extn. Personals	30	NABARD	SMS(Hort) SMS (Ag) SMS (H.sci.)
4	Home Science	Value addition on minor millets	1 (3 days)	Youth & women	20		SMS H.S
5	Home Science	Value addition on fruits	1 (5 days)	Youth & women	20		SMS H.S
6	Oyster Mushroom Cultivation	Oyster Mushroom Cultivation and Value addition	5 (3 days)	Youth & women	50		SMS H.S
7	Coconut tree management	Coconut tree climbing using devise and tree management	200 hrs	Farmer's & Youth	20	ASCI	SMS Ag SMS Hort
8	Community development	Community development worker	200 hrs	Rural youth	20	ASCI	SMS H.Sc SMS AS SMS Hort SMS Ag
9	IFS	Livestock integration in cropping system (IFS)	1 (5 days)	Farmer's & Youth	20		SMS AS SMS Ag SMS H.Sc
10	Livestock production	Recent advances in dairy cattle management	1 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS Ag SMS H.Sc
11	Poultry production	Scientific practices for rearing improved chickens in backyards	1 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS H.Sc
TOTAL			81		300		

17. Sponsored trainings during 2017 – 18

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	Horticulture	Production of high value horticulture crops under protected structures	1 (3 days)	Farmers & Extn. Personals	30	NABARD	SMS (Hort)
2	Horticulture	High density planting techniques for fruit crops	1 (3 days)	Farmers & Extn. Personals	30	NABARD	SMS (Hort)
3	Horticulture	Recent advances in banana cultivation	1 (3 days)	Farmers & Extn. Personals	30	NABARD	SMS (Hort) SMS (Ag) SMS (H.sc)
4	Coconut tree management	Coconut tree climbing using devise and tree management	200 hrs	Farmer's & Youth	20	ASCI	SMS Ag SMS Hort
5	Community	Community development worker	200 hrs	Rural youth	20	ASCI	SMS H.Sc

	development						SMS AS SMS Hort SMS Ag
6	IFS	Livestock integration in cropping system (IFS)	1 (5 days)	Farmer's & Youth	20	SCAD	SMS AS SMS Ag SMS H.Sc
7	Livestock production	Recent advances in dairy cattle management	1 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS Ag SMS H.Sc
8	Poultry production	Scientific practices for rearing improved chickens in backyards	1 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS H.Sc
TOTAL			67		210		

18. Extension programmes during 2017 – 18

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	350	170000	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	5	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	6	3000	ALL SMS
15.25	Animal health campaign	24	2500	ALL SMS
15.26	Swatch barath programme	5	500	ALL SMS
15.27	Jai Kissan Jai Vigyan celebration	5	500	ALL SMS
TOTAL		1057	186300	

19. Activities proposed as Knowledge and Resource Centre during 2017 – 18**19.1. Technological knowledge**

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
19.1.1	Technology Park/ Crop cafeteria	Nursery for fruit and ornamental seedlings production	1 ha	Farm manager, SMS Hort, SMS Ag
		Banana	0.4 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	0.4 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), CoFS-29,30, Subabul	0.4 ha	Farm manager, SMS Hort, SMS Ag
		High density planting with mango and guava	0.2 ha	Farm manager, SMS Hort, SMS Ag

19.1.2	Demonstration Units	Vermicompost unit	45 sq.m	SMS Ag, Prog. Asst
		Mushroom unit	45 sq.m	SMS Hs, Prog. Asst
		Stunted Fish rearing unit	3 unit (360sqm)	Farm Manager, SMS AS
		Fish rearing in farm pond	2 unit (700 sqm)	Farm Manager, SMS AS
		Ornamental fish breeding unit	1	Farm Manager, SMS AS
		Azolla unit	8 sq,m	Farm Manager, SMS AS
		Poultry chick brooding unit	160 sq.m	Farm Manager, SMS AS
		Heifer calf rearing unit	5	Farm Manager, SMS AS
19.1.3	Lab Analytical services	Soil and water test lab	650 samples	SMS Ag, Prog. Asst
		Bio tech lab	1000 kg of biofertilizer	SMS Ag, Prog. Asst
19.1.4	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	2 days	ALL SMS

19.2 Technological Products

Sl. No	Category	Name of the product	Quantity (Qtl.)/Number planned to be produced during 2017 - 18	Names of the team members involved
19.2.1	Seeds	Sorghum K-12	4 qtl	SMS Ag and FM
		BlackgramVBN(Bg)-6	2 qtl	SMS Ag and FM
		GreengramCo-6(GG)	2 qtl	SMS Ag and FM
		Co -7 (Gg)	2 qtl	SMS Ag and FM
		Co (Fs)29,31	2 qtl	SMS Ag and FM
		Paddy seeds	70 qtl	SMS Ag and FM
		Co-14 Lab lab seeds	1 qtl	SMS Hort and FM
		MDU-1 cluster bean seeds	1.5 qtl	SMS Hort , SMS H.sci. and FM
		Daincha seeds	3 qtl	SMS Ag and FM
19.2.2	Planting materials	Mango, Guava graft plants	3000 numbers	SMS Hort and FM
		Subabul	0.1 qtl	SMS Hort and FM
		Glyricidia	1000 numbers	SMS Hort, and FM
		Jasmine seedlings	1000 numbers	SMS Hort, and FM
		Ornamental cuttings	10000 numbers	SMS Hort, and FM
		CN-CO-4	20000 numbers	SMS AS and Ag, FM
19.2.3	Bio-products	Azophos	2.5 qtl	SMS Ag, Lab Technician
		Rhizophos	2.5 qtl	SMS Ag, Lab Technician
		T.viridi	2 qtl	SMS Ag, Lab Technician
		Pseudomonas fluorescense	5 qtl	SMS Ag, Lab Technician
		Mushroom spawn	1 qtl	SMS Ag, Lab Technician
		Salt lick	20 qtl	SMS AS, Lab tech.
19.2.4	Livestock strains	Improved chicks	5000	SMS AS, FM
19.2.5	Fish fingerlings	Stunted fingerlings	20000	SMS AS, Lab tech., FM
19.2.6	Ornamental fish	fingerlings	1500	SMS AS , Lab tech., FM

19.3 Technological Information

Sl. No	Category	Technological capsules / Number	Names of the team members involved
19.3.1	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
19.3.2	Literature/publication	12	All SMS

19.3.4	Electronic Media	5	ALL SMS
19.3.5	Kisan Mobile Advisory Services	60	Comp prog, SMS AS, HS, Ag, Hort
19.3.6	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion. (June 2017)	Comp prog, SMS AS, HS, Ag, Hort

20. Additional Activities Planned during 2017 - 18

Sl.No	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
20.1	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
20.2	NABARD	Seminar on sustaining livelihood of Drought prone area farmers	2 days training 200 extension functionaries	100000	SMS Animal Science SMS Horticulture SMS Home Science
20.3	NABARD	Promotion of FPO	3 FPO, 500 farmers per FPO	2700000 for 3 years	All SMS
20.4	NABARD	JLG Formation	500 groups	1000000 for 2 years	SMS Home Science

21. Revolving Fund

21.1 Financial status

Opening balance as on 01.04.2016 (Rs.in Lakh)	Expenditure incurred during 2016 – 17 (Rs.in Lakh)	Receipts during 2016 – 17 (Rs.in Lakh)	Closing balance as on 28.02.2017 (Rs.in Lakh)	closing balance by 28.02.2017 (Including value of material in stock)
2.90	11.99	11.08	1.99	5.05 (3.06)*

21.2 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 rearing	5000	500000	73500	P.C i/c & FM
2	Salt lick production	2000 Kg	130000	50000	PC i/c & Lat.
3	Calf rearing	8 numbers	240000	40000	Dr.V.Srinivasan and K. Dhamodharan
4	Rural veterinary campaign	2000 animals	30000	10000	Dr.V.Srinivasan
5	Paid training programmes	240	24000	24000	Dr.V.Srinivasan
6	Project report preparation	25 farmers	5000	5000	Dr.V.Srinivasan
7	Fodder seed sales under PPP mode	5 qtl	200000	25000	Dr.V.Srinivasan
	Sub total			227500	
8	Nutrimix production under PPP mode	10000 kg	10000	10000	S.Sumathi
9	Cluster bean MDU-1 seed production in roof garden	50kg	40000	20000	S.Sumathi and P.Velmurugan
10	Vegetable seed kit pack	500 Nos	15000	8000	S.Sumathi
11	Roof garden kit sales	100 kits	50000	10000	S.Sumathi
12	Paid training programme	50 persons	5000	5000	S.Sumathi
	Sub Total			53000	
13	Trichoderma Viridi	200 Kg	16000	3000	I.Jeyakumar and A,Murugan
14	Biofertilizer - Azophos, Rhiozophos, etc	500 kg	25000	7500	I.Jeyakumar and A,Murugan

15	Pseudomonas fluorescence	500 kg	40000	10000	I.Jeyakumar and A.Murugan
16	EM production	2500 lit	275000	50000	I.Jeyakumar and A.Murugan
17	Vermicompost	40 qtl	24000	8000	I.Jeyakumar and S.Sumathi
18	Soil and water testing	650	65000	10000	I.Jeyakumar and A.Murugan
19	Paid training programmes	50 persons	15000	15000	I.Jeyakumar and S.Sumathi
20	Mushroom production	20 kg/m	36000	18000	I.Jeyakumar and S.Sumathi
21	Mushroom spawn production	1000 pockets	30000	10000	I.Jeyakumar and S.Sumathi
	Sub Total			131500	
20	Fruit graft seedlings production under PPP mode	4000 no's	140000	40000	P.Velmurugan and K.Damodharan
21	Jasmine seedling production	2000	10000	5000	P.Velmurugan and K.Damodharan
22	HDP in guava under drip	100trees	40000 from 3 rd year	0	P.Velmurugan and K.Damodharan
23	HDP in lime under drip	100 trees	30000 from 3 rd year	0	P.Velmurugan and K.Damodharan
24	HDP in Amla under drip	100 trees	30000 from 3 rd year	0	P.Velmurugan and K.Damodharan
25	Cluster bean co14 lab labseed production	1.5qtl	90000	25000	P.Velmurugan and K.Damodharan
26	Vegetables & greens	0.5ac	30000	5000	P.Velmurugan and K.Damodharan
27	Forest saplings	2000nos	20000	10000	A.Damodharan
28	Paid training programmes	50	7500	7500	P.Velmurugan
29	Mango and sapota production	500 kg	10000	2000	P.Velmurugan and K.Damodharan
	Sub Total			92500	
30	Tamarind production	250kg	7500	2500	A.Murugan and K.Damodharan
31	Coconut production	500 kg	15000	5000	A.Murugan and K.Damodharan
32	Coconut seedling production	1000	40000	20000	A.Murugan and K.Damodharan
33	Paddy seed production	70 qtl	210000	70000	A.Murugan and K.Damodharan
34	Panchakavya production	50lit / month	36000	18000	A.Murugan and K.Damodharan
35	Daincha seed production	3 qtl	12000	4000	A.Murugan and K.Damodharan
36	Fodder seed production CO FS (29 and 31)	2 qtl	80000	10000	A.Murugan and K.Damodharan
37	Silk Cotton	130 trees	30000 from 3 rd year onwards	0	A.Murugan and K.Damodharan
38	Black gram (Rice fallow)	3 qtl	21000	15000	A.Murugan and

					K.Damodharan
	Black gram and green gram seed production under PPP mode	10 qtl	120000	20000	A.Murugan and K.Damodharan
22	Sub total			164500	
	Grand total			669000	

22. Activities of soil, water and plant testing laboratory during 2017 - 18

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

23. E-linkage during 2017 - 18

S. No	Nature of activities	Likely period of completion (please set the time frame)	Time frame	Team members involved
23.1	Title of the technology module to be prepared	Integrated farming system	April 2017	SMS AS & Com. Prog
		Alternative poultry production enterprise	May 2017	SMS AS & Com. Prog
		Haulage preparation and feeding	June 2017	SMS AS & Com. Prog
		Silage preparation and feeding	June 2017	SMS AS & Com. Prog
		Broiler goat rearing	July 2017	SMS AS & Com. Prog
		Fodder cultivation and feeding livestock	Aug 2017	SMS AS & Com. Prog
		Clean milk production	Sept 2017	SMS AS & Com. Prog
		Comprehensive disease control in livestock	Oct 2017	SMS AS & Com. Prog
		Cultivation fruit tree- mango, amla, guava, sapota	May 2017	SMS Hort& Com. Prog
		Net house vegetable cultivation	July 2017	SMS Hort& Com. Prog
		High density planting mango and guava	Aug, 2017	SMS Hort& Com. Prog
		Drought mitigation technologies	April 2017	SMS Ag & Com. Prog
		Integrated crop management in Paddy	May 2017	SMS Ag & Com. Prog
		ICM in Groundnut	June 2017	
		ICM in Millet	July 2017	SMS Hort, Ag & Com. Prog
		ICM in black gram	Aug 2017	SMS Ag & Com. Prog
		Organic farming practices for crop cultivation	Sept 2017	SMS Ag & Com. Prog
		Value added product preparation from amla	May 2016	SMS HS & Com. Prog
		Value added product preparation from millets	June 2016	SMS HS & Com. Prog
		Value added product preparation from baby corn	July 2016	SMS HS & Com. Prog
Value added product preparation from mango	Aug, 2016	SMS HS & Com. Prog		
Value added product preparation from Milk	Sept 2016	SMS HS , AS & Com. Prog		
Value added product preparation from Palm tuber	Oct. 2016	SMS HS & Com. Prog		
23.2	Creation and maintenance of relevant database system for KVK	Ex trainees database	May 2017	Comp. Programmer& Prog. Coordinator
		FLD database	June 2017	Comp. Programmer& Prog. Coordinator
		OFT database	July 2017	Comp. Programmer& Prog. Coordinator
		District profile updation	Aug 2017	Comp. Programmer& Prog. Coordinator
23.3	KVK web site in local language	Updating all the information in website	Round the year	All SMS , Computer programmer & Prog. Coordinator
23.4	Kissan mobile advisory messaging	For 2017 – 18	Round the year	All SMS , Computer programmer & Prog. Coordinator
23.5	OLRS	Updation and submission of all reports in OLRS	Every month	Comp. Programmer, SMS HS, Asst, Prog. Coordinator

24. 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
24.1	NA	

25. Innovative Farmer's Meet

Sl. No	Particulars	Details
25.1	Are you planning for conducting Farm Innovators meet in your district?	Yes
25.2	If Yes likely month of the meet	Sept 2017
25.3	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.

26. 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 (30% of farmers (25 persons) gave up rearing milch cows because of less profitability in Palayakayal 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 problem in Palayakayal cluster)		
Village identified	Palayakayal -Manjaneerkayal		
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	FFS kit (Teat dip solution, Mastitis diagnostic paper strip, Grand supplement, SMART Mineral mixture, Salt lick, EM) Rs.500 x 25 kit	25 X Rs.500	12500
2	Training material printed booklet/phamplets, note book, pen, charts, markers, Banners, Azolla kit, need based chemicals , etc.	25 X 200	5000
3	Refreshment expenses for FFS members and resource persons	Rs.15x 12 sessions x 30	5400
4	Resource person honorarium	Rs.300x1x 12 sessions	3600
5	Miscellaneous expenses for logistics support and documentation charges		3500
TOTAL			30000

Details of FFS technical training sessions

Session	Activities	Inputs/Events/Materials needed
1	Grouping of participants in to sub groups, Problem identification and discussion	Ballot box exercise
2	Body Scoring and judging of cow by farmer (between groups)	Scoring Chart (30)
3	Temperature measurements in different housing systems by group members (temperature will be assessed entire period and output interpretation)	Dry and wet bulb thermometer (10 nos)
4	Hands on training Body weight measurements (recording of body wt in calf and cow by group members)	Measuring tape (10 nos)
5	Different fodder production by group members and fodder yield calculation.	Fodder Seeds/Slips (CO5,Hedge Lucerne and CoFS 29 and Maize)

6	Feeding trials with different fodder and milk yield recording by group member	Chaff cutting and feeding trails
7	Azolla cultivation preparation, feeding trials and milk yield recording	Azolla and Bio fertilizer
8	Homemade Concentrate preparation and feeding trials body wt gain in heifers	Mineral mixture, concentrate feed ingredients
9	Deworming of calf and body weight measurements by group members	Deworming drugs (Fecal examination demonstration)
10	Animal Health – Mastitis detection - allopathic vs Ethno vet treatment follow up by group member	PH strips (30 nos), Aloe vera, turmeric powder, slaked lime
11	Tick control (identification male & female tick, egg laying pattern) – group exercise.	tick egg hatching demonstration and deticking/Dipping procedure
12	Preparation of milk product (Carrot milk & Koha) and assessing shelf life and consumer acceptability.	Milk Product preparation
13	Various Milk parameters assessment – temperature, LR, Fat & SNF	LR Meter (10 nos)

27. Farm Life School

Thematic area	Improving the health and nutritional security
Title of the FLS	Farm life nutrition schools for achieving health and nutritional security
Budget proposed in Rs.	Rs 30,000
Prioritized problem:	Wide spread prevalence on macro and micronutrient deficiency Lack of awareness on linkage between sanitation, health and nutrition
Village identified	Palayakayal -Manjaneerkayal
Technologies to be taught	Linkages between sanitation, health and nutrition (Source: ICAR- AICRP on Home Science)
Number of adolescence girls	25

Budget for FLS

S. No	Details	Unit cost	Amount
1	Demonstration of fortification and enrichment of existing food – by adding dehydrated Moringa, curry leaf powder, millet Nutrimix, etc., Nutrimix 2kg x 6 sessions x Rs.150	Rs.150 x 12kg	1800
	Base line survey anthropometric measurements and Blood haemoglobin percentage. Testing charges and consultancy fees for the nurse	Rs.200 x 25	5000
2	Booklet on Comprehensive nutrition education module for inclusive feeding of locally available nutritious foods	30X Rs.150	4500
3	FLS kit consist of Nutrimix-1kg = Rs.150 nutrition garden seed kit- 1= 50	25x Rs.200	5000
4	Refreshment	Rs.30x 6 sessions x 25	4500
5	Resource person honorarium	Rs.300x2x 6 sessions	3600
	Miscellaneous expenses for logistics support and documentation charges		5600
TOTAL			30000

Details of FLS technical training sessions

Session	Activities	Inputs/Events/Materials needed
1	Base line survey and informal meeting	Survey format
2	Anthropometric measurement and clinical examination Demonstration on use of Nutrimix porridge preparation	Weighing scale, inch tape, blood testing for hemoglobin level
3	Training on nutrition garden establishment and maintenance	Seed kit
4	Training on sanitation, health and hygiene and demonstration on Dosa and adai preparation using Nutrimix	Training manual, hand washing with soap
5	Training on nutrition for adolescent girls and demonstration of nutritious food preparation using locally available materials and Laddu and Paniyaram preparation with Nutrimix	Training manual
6	Gender sensitization and demonstration on Puttu and kolukattai preparation using Nutrimix	Training manual
7	End line survey and impact	Endline measurements, Survey format and blood testing for haemoglobin level

28. Performa 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	Season – I Crops planned to be cultivated in KVK campus during June to September 2017	Crop
		Casuarina
		Drumstick
		Coconut
		Sapota
		Cambu Napier Co -4
		Fodder sorghum Co (Fs) 29
		Mango
		Silk cotton
		Nursery, Guava mother plant
TOTAL	6.65	
8	Season – II Crops planned to be cultivated in KVK campus during October to February 2018	Agro silvi pasture (subapul, Neem, Kozhingi, Pungam and Horse gram, millets)
		Casurina
		Lime, guava, amla – HDP and Guava mother plant
		Fodder cowpea
		Drumstick
		Coconut
		Cambu Napier Co-4
		Fodder sorghum Co (Fs)29
		Daincha
		Sapota
		Bhendi & greens
		Mango
		Silk cotton- Kozhingi (theprosia purpuria) seed production
		Paddy
Nursery, Guava mother plant		
TOTAL	15.93	
9	Season – III Crops planned to be cultivated in KVK campus during March to May 2018	Agro silvi pasture (subapul,Neem, Pungam)
		Casurina
		Drumstick
		Coconut
		Cambu napier Co-4
		Fodder sorghum Co(Fs)29
		Sapota
		Mango
		Cluster been
		Daincha
TOTAL	12.73	
10	Area under building in ha	2
11	Area under demonstration unit	0.8
12	Any other remark	Nil

29. Budget - Details of budget utilization (2016 – 17) Upto 28th Feb 2017

Sl. No	Particulars	Sanctioned		Expenditure Rs.
		BE	RE	
28.1	Recurring Contingencies			
28.1.1	Pay & Allowances	83,37,000	79,48,000	72,69,117
28.1.2	Traveling allowances	1,50,000	80,000	33,912
28.1.3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	2,25,000	2,90,000	1,94,470
B	POL, repair of vehicles, tractor and equipment	1,50,000	2,35,000	1,74,166
C	Meals/refreshment for trainees	70,000	80,000	62,400
D	Training material	25,000	25,000	25,334
E	Frontline demonstration except oilseeds and pulses	1,75,000	1,75,000	1,03,207
F	FLD on special Pulses Programme / IFS	30,000	30,000	18,654
G	On farm testing	49,000	49,000	37,674
H	Training of extension functionaries	20,000	20,000	6,420
I	Maintenance of buildings	30,000	30,000	12,200
J	Extension activities	20,000	20,000	9,393
K	Farmers field School	30,000	30,000	21,929
L	EDP / Innovative	30,000	30,000	5,000
M	Display Boards	10,000	10,000	0
N	SWT Issue Health Cards	50,000	50,000	39,692
O	Library (Purchase of Journal, Periodicals, News Paper and Magazines)	10,000	10,000	3,581
28.1	Total Recurring	94,11,000	91,12,000	80,17,149
28.2	Non-Recurring Contingencies			
28.2.1	Works	0	0	0
28.2.2	Equipment including SWTL & Furniture	0	0	0
28.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	0	0	0
28.2.4	Library	0	0	0
28.2	Total Non-Recurring	0	0	0
28.3	REVOLVING FUND	0	0	0
28.4	GRAND TOTAL (A+B+C)	94,11,000	91,12,000	80,17,149

30. Details of Budget Estimate (2017 - 18) based on proposed action plan

Sl. No.	Particulars	BE 2017 - 18 proposed (Rs.)
29.1	Recurring Contingencies	
29.1.1	Pay & Allowances	1,00,04,000
29.1.2	Traveling allowances	1,50,000
29.1.3	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,50,000
B	POL, repair of vehicles, tractor and equipment	2,50,000
C	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee)	90,000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50,000
E	Frontline demonstration except oilseeds and pulses	2,65,150
F	Cluster FLD under NMOOP and NFSM	1,24,000
G	Integrated Farming System (IFS)	30,050
H	On farm testing	97,350
I	Training of extension functionaries	30,000
J	Maintenance of buildings	50,000
K	Extension activities including rural veterinary camps instead of FLD in livestock sector	30,000
L	Farmers field School	30,000
M	Farm Life School	30,000
N	EDP / Innovative activities	32,500
O	Soil & Water Testing & Issue of Soil Health Cards	60,000
P	Display Boards	10,000
Q	Library	12,000
29.1	TOTAL Recurring Contingencies	1,16,95,050
29.2	Non-Recurring Contingencies	
29.2.1	Works	
A	Farm development	5,00,000
B	Wire fencing on the farm boundaries	5,00,000
C	Bore well, Bore well recharge pit, Submersible motor	1,00,000
29.2.2	Equipment and Furniture	
A	Tractor Replacement	9,00,000
B	Computer with Accessories	2,50,000
C	Furniture for farmers hostel	5,00,000
D	Farm equipment like pulses seed drill, mechanized dry land weeder, paddy transplanted, bund farmer, etc	5,00,000
29.2.3	Vehicle (Four wheeler replacement)	10,00,000
29.2.4	Library (Purchase of assets like books & journals)	10,000
29.2	TOTAL Non-Recurring Contingencies	42,60,000
29.3	REVOLVING FUND	0
29.4	GRAND TOTAL	1,59,55,050

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