

PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2018 – 19**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: pscadkvk@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 31 – 03 – 2018

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	Senior scientist and Head	Vacant					
2.2	Subject Matter Specialist&SS&H 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	Lab Technician	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	Assistant	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 2018 – 19:

Sl.No	Date	SAC Member	Major recommendations	Status of action taken in brief
1	29.11.17	Dr.H.Philip, DEE, TNAU	<ul style="list-style-type: none"> Minimum of 50 programmes may be given in AIR. Each Scientist should give at least one program a month in AIR 	<ul style="list-style-type: none"> Information about the conduct of training programmes for every month for October to Feb 2018 was given to AIR and future also this will be continued

			<ul style="list-style-type: none"> Information on successful farmers, entrepreneurs, training details may also be broadcasted in AIR 	<ul style="list-style-type: none"> The following KVK scientists and farmers delivered talk/interview to AIR on the following topics <table border="1"> <thead> <tr> <th>Date of broadcast</th> <th>Topic</th> <th>Staff</th> </tr> </thead> <tbody> <tr> <td>01.01.2018</td> <td>Integrated farming system: a talk</td> <td>Dr.V.Srinivasan Senior scientist a Head i/c</td> </tr> <tr> <td>08.01.2018</td> <td>Snake guard cultivation technologies: a Talk</td> <td>P.Velmurugan Scientist Horticu</td> </tr> <tr> <td>15.01.2018</td> <td>Paneer preparation from milk :an interview</td> <td>S.Sumathi Scientist Home s</td> </tr> <tr> <td>22.01.2018</td> <td>Direct seeding of paddy with drum seeder: an interview</td> <td>Mr.A.Murugan Scientist Agrono</td> </tr> <tr> <td>29.01.2018</td> <td>Azolla cultivation technique : an interview</td> <td>K.Dhamodharan Farm manager</td> </tr> <tr> <td>07-01-2018</td> <td>Role of FPC in the service of farmers :an interview</td> <td>V.Subbaraman Ottanatham</td> </tr> <tr> <td>14-01-2018</td> <td>Experience in integrated farming an interview</td> <td>D.Kingsly mangalagiri</td> </tr> <tr> <td>21-01-2018</td> <td>Role of biofertilizer in dry farming : an interview</td> <td>K.Shanmugalaks Sokkalingapuram Vilathikulam</td> </tr> <tr> <td>28-01-2018</td> <td>Farming experience : an interview</td> <td>Mr.A.P.K.Ramar hi Keelapoovani Mr.A.kumarkuru Ottanatham</td> </tr> </tbody> </table> <p>Advisory messages</p> <ul style="list-style-type: none"> 5.12.17- World soil day news and message 12.12.17: Paddy nursery management 9.1.18 : On Mango fruit/flower drop management 	Date of broadcast	Topic	Staff	01.01.2018	Integrated farming system: a talk	Dr.V.Srinivasan Senior scientist a Head i/c	08.01.2018	Snake guard cultivation technologies: a Talk	P.Velmurugan Scientist Horticu	15.01.2018	Paneer preparation from milk :an interview	S.Sumathi Scientist Home s	22.01.2018	Direct seeding of paddy with drum seeder: an interview	Mr.A.Murugan Scientist Agrono	29.01.2018	Azolla cultivation technique : an interview	K.Dhamodharan Farm manager	07-01-2018	Role of FPC in the service of farmers :an interview	V.Subbaraman Ottanatham	14-01-2018	Experience in integrated farming an interview	D.Kingsly mangalagiri	21-01-2018	Role of biofertilizer in dry farming : an interview	K.Shanmugalaks Sokkalingapuram Vilathikulam	28-01-2018	Farming experience : an interview	Mr.A.P.K.Ramar hi Keelapoovani Mr.A.kumarkuru Ottanatham
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			<ul style="list-style-type: none"> Impact studies in proper format should be done after 3 years in the adopted villages 	<ul style="list-style-type: none"> This will be done in Keelapoovani and Akkanayakanpatti villages in this year 2018-19 																														
			<ul style="list-style-type: none"> Fisheries Dept and CMFRI can also be included in the converge meetings in the future events 	<ul style="list-style-type: none"> Will be included as suggested in the future events 																														
			<ul style="list-style-type: none"> Small, medium and large Vermicompost units are functioning very well at TNAU and the farmers may be encouraged to visit those units to start more number of such units 	<ul style="list-style-type: none"> During Feb 2018,50 farmers were taken to exposure visit to TNAU and visited the various demo units there. 																														
			<ul style="list-style-type: none"> Advised KVK to guide farmers to get a shop allotment in UzhavarSanthai through Agri marketing department personals 	<ul style="list-style-type: none"> This will be undertaken on need basis by motivating the farmers and farmers producer companies during the year 2018-19. A specific FLD programme is planned for the year 2018-19 on this line for TN kulam vegetable farmers. 																														
		Dr.Y.G.Prasad Director, ATARI	<ul style="list-style-type: none"> More focus to be given on organic farming , integrated farming practices and value chain promotion 	<ul style="list-style-type: none"> Six training programmes on organic farming and 5 programmes on integrated farming and 7 programmes on value chain promotion were conducted until march 2018 after the SAC meeting 																														
			<ul style="list-style-type: none"> KVK to increase the distribution of soil health card among farmers 	<ul style="list-style-type: none"> KVK has supplied soil health cards to all the FLD, OFT farmers and also to all the farmers in the adopted villages. 																														
			<ul style="list-style-type: none"> KVK to organize more number of skill trainings with longer duration(3-5 days) in future 	<ul style="list-style-type: none"> 7 numbers of 3days duration and one programme of 6 days duration were conducted during 2017-18 This will be adhered as advised in the year 																														

				2018-19 also
			<ul style="list-style-type: none"> • KVK can take up the fish fingerling production 	<ul style="list-style-type: none"> • This will be adhered as advised in the year 2018-19
			<ul style="list-style-type: none"> • KVK should increase the fodder and seedling production 	<ul style="list-style-type: none"> • During the year 2017-18 KVK has supplied 355kg of Fodder sorghum seeds, 52kg of Hedgelucerne seeds, 2585 numbers of fodder seedlings like subabul, Sesbania and drumstick have been supplied . • Attempts have already been made to increase the fodder production at KVK as advised during SAC
			<ul style="list-style-type: none"> • Proper license should be obtained for the production of bio fertilizer and technical backstopping should be done for the bio fertilizers 	<ul style="list-style-type: none"> • Approached the department of agriculture and came to know that as on date no licensing is required for the production of biofertilizer and licensing is required only for bio pesticide production like pseudomonas fluorescence. Efforts will be taken to obtain the necessary license for the production of the same in the year 2018-19
			<ul style="list-style-type: none"> • Short video films (3minutes) on innovative farmers to be produced by KVK. 	<ul style="list-style-type: none"> • Already 2 videos were produced on tractor drawn weeder and Mesquite pod value addition practices. Other innovations by the farmers will be explored and documented during the year 2018-19 as suggested
			<ul style="list-style-type: none"> • A model village may be selected and base line survey to be conducted with 20 families to study the impact created through KVK interventions with an aim to doubling the farmers income 	<ul style="list-style-type: none"> • This will be done in the year 2018-19 at TN kulam village in Kayathar block
		Mr.Kingsly, Progressive Farmer, Mangalagiri	<ul style="list-style-type: none"> • Wanted to visit a successful cow dung liquid manure production unit 	<ul style="list-style-type: none"> • 50 Farmers were taken to KVK Erode and shown the successful model of cow dung liquid manure production and usage unit in the month of Feb 2018.
		Mr.Raju, chairman, Thendral FPC, Surandai	<ul style="list-style-type: none"> • Since the Karnataka paddy variety is fetching very good price in the local market, a similar variety may be of great help. 	<ul style="list-style-type: none"> • TKM 13 paddy is a fine grain variety equal to Karnataka Ponni and the same was demonstrated in Melapoovani and the seed will be supplied to Surandai region in the coming season
		Mr.Ravi, AGM, Lead Bank	<ul style="list-style-type: none"> • Back ended subsidy schemes are available to start dairy farm, KVK can send interested farmers to banks to avail this facility 	<ul style="list-style-type: none"> • 66 farmers were enrolled in Joint liability groups and helped to avail loan facility to start the dairy farm in Mudiman, Pasuvanathanai , Eppodumvendran, Maravanmadam and South silukkanpatti villages during the year 2017-18
		Station In charge, CMFRI	<ul style="list-style-type: none"> • The cage fabrication charge can be met by CMFRI and state fisheries department, so the cost for the cage may bring down to a reasonable level. 	<ul style="list-style-type: none"> • Interested fishermen will be identified and sent to Fisheries department to start cage fish culture in the coming year
		Assistant Director of Horticulture	<ul style="list-style-type: none"> • KVK should motivate the farmers to use drip irrigation facilities offered by dept. of Horticulture • KVK support is needed in promotion of bio fertilizer usage in banana 	<ul style="list-style-type: none"> • 12 awareness programmes were organized by KVK in Poovani, Akkanayakanpatti, lakshmiapuram, Ottanatham, Kootampuli villages in thoothukudi district, Out of these programmes 13 farmers have already laid out drip irrigation and 12 are in the pipe line , one FPC at Kootampuli started their own drip irrigation supply unit as business promotion • KVK is recommending 4kg of Azophos per ha as basal for banana cultivation round the

				<p>year and this is promoted through the farmers producer company at Kootampuli, Athimarapatti villages in Thoothukudi and Kalakkadu and surandai region. During the year 2017-18 KVK has supplied 3.78qtl of Azophos, 4.6 qtl of Pseudomonas to the banana farmers</p> <ul style="list-style-type: none"> •
		Mr.PalaniVelayudam, AD of Agri. Representing JDA,Thoothukudi	<ul style="list-style-type: none"> • KVK's expertise in FPO registration is required for department • KVK can share the farmers producer company database to the agriculture department to avoid duplication 	<ul style="list-style-type: none"> • KVK has shared its experience on FPC registration, director selection, CEO selection and business plan preparation and maintenance of records and registers etc. to the department of agriculture Thoothukudi and facilitated them with booklets on FPC formation and its maintenance. • Farmer's data base of FPCs promoted by KVK will be shared as and when required by the department on need basis.
		Mr.Muruganandam, Programme officer, AIR, Tirunelveli	<ul style="list-style-type: none"> • If many farmers are interested to record their experience in farming, AIR ready to come and record their successful farming practices in KVK premise itself 	<ul style="list-style-type: none"> • One recording programme was held at KVK and 5 farmers experience was recorded and broadcasted already.In future attempts will be made to record more number of farmers experience with AIR
		Dr.Chellapandian, P&H, VCRI, Tirunelveli	<ul style="list-style-type: none"> • KVK can promote the mineral mixture in a larger way. Mineral mixture for goat and sheep also developed at VCRI and KVK can promote these products also • Since Feed quality testing facility is available at VCRI, KVK can use this service in the coming days • To produce CO FS 29 in a larger quantity, KVK can promote farmers group for the same purpose 	<ul style="list-style-type: none"> • KVK has procured 300 kg of SMART mineral mixture in the year 2017-18 and planned to procure 1000kg during the year 2018-19 to reach more number of farmers • KVK has submitted the feed samples for analysis to VCRI and made adjustment in the feed compounding based on the results for its own cattle and poultry feed requirements. • KVK has promoted 126 farmers during the year 2017-18 for CoFS 29 /31 cultivation and majority of them are producing seeds and supplying to their neighbors, and 3 farmers came forward to supply the seeds to KVK from Allikulam and Pudiya-muthur region.
		Dr.Veerabadran, Professor, FCRI	<ul style="list-style-type: none"> • Suggested to send beneficiaries to avail training facilities offered in 16 new technologies developed at FCRI 	<ul style="list-style-type: none"> • 9 farmers were sent to FCRI to avail training programme on fish rearing during the year 2017-18

4. Capacity Building of KVK Staff

4.1 Plan of Human Resource Development of KVK personnel during 2018 – 19

Sl.No	New Areas of Training	Institution proposed to attend	Proposed date of training	Justification
4.1.1	ICT Interventions for Agricultural Development	NAARM Hyderabad	28 Nov to 18 Dec 2018	Knowledge and expertise on ICT interventions for agriculture development is an very important emerging area and this is very essential for updating the knowledge and skills of the staffs.
4.1.2	Extension Approaches for Integrating Technological Options and Institutional Arrangements for Doubling Farmers' Income	ICAR-Indian Agricultural Research Institute (IARI), New Delhi, Delhi	13 July to 02 Aug 2018	Doubling farmers income is the need of the hour and extension approaches is of paramount importance to achieve this mandate
4.1.3	Nutritional strategies to enhance livestock productivity and farm	ICAR-National Dairy Research	05 Sept to 25 Sept 2018	Nutrition is very important aspect to realize the potentials

	economy	Institute (NDRI), Karnal, Haryana		of the genetic improvement achieved through the breeding programme in livestock, and our district this aspect is very weak and hence this training will be of great help
4.1.4	Climate change led abiotic and biotic stress in farm animals and amelioration with nutritional and physiological approaches	ICAR-National Institute of Animal Nutrition and Physiology (NIANP), Bangalore, Karnataka	01 Nov to 21 Nov 2018	To create awareness among the farmers on climate change and biotic stress in farm animals is an important area to overcome the harmful effects
4.1.5	Innovations in Integrated Management of insect pests and diseases of field crops through endophytes and PGPRs.	University of Agricultural Sciences (UASD), Dharwad, Karnataka	04 Dec to 24 Dec 2018	Refreshing the knowledge of the SMS on insect pests and diseases of field crops is very important to improve the income for the farmers
4.1.6	Recent approaches in horticultural development for enhancing farm income in environmentally constraints ecosystem	ICAR-Central Arid Zone Research Institute (CAZRI), Jodhpur, Rajasthan	20 Sept to 10 Oct 2018	Recent and technological innovations are very much required to the scientists to utilize the resources effectively
	Role of precision farming in Urban and periurban in the era of urbanization	SKN Agricultural Univ. Jobner, Rajasthan	9-29 th Oct, 2018	In the scenario of fast urbanization and development of periurban area precision farming techniques will be of great help to create entrepreneurship
	A Family Approach to Doubling Farmers Income	College of Rural Home Science (NA), Dharwad, Karnataka	1-21 st Dec.2018	This training is essential to increase the production and productivity of the small holder farm families
	Climate change and abiotic stress management strategies for doubling farmers income	ICAR-National Institute of Abiotic Stress Management (NIASM), Pune, Maharashtra	07 Sept to 27 Sept 2018	This training is essential to address the issue on climate change and abiotic stress management to the scientist and farmers

4.2 Cross-learning across KVKs during 2018 – 19

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, organic farming, IFS, mechanization
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 2018 – 19

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 2018 - 19

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 % Low land area (80%) Lack of awareness on saline resistant short duration varieties	2700ha	TN Kulam – 60ha Alwarkarkulam-270ha Akkanayakanpatti 125 ha Manjalneerkayal-265ha Poovani -50ha	FLD , Training and advisory services
2	Maize	Occurrence of terminal drought ,moisture stress (60 %) resulting in reduced yield 12.5q/ac Lack of awareness on soil moisture conservation technology (75%) Lack of awareness on ICMP practice (65 %)	25500 ha	Sivaganapuram (253ha)	FLD, Training and advisory services
3	Pearl millet	Less utilization of millets Lack of ready to eat millet foods	10000 ha	Ottanatham (276ha)	OFT, Training and advisory services
4	Black gram	Low productivity in VBN -3 variety / crop loss due to drought situation Avg. yield 2 q/ac only	32177 ha	Ottanatham – 150 ha TN Kulam – 200ha Akkanayakanpatti – 35 ha Poovani – 30ha	CFLD, Training and advisory services
5	Green gram	Low yield (3.75q/h) YMV and Pod borer affects yield up to 30 %	29173 ha	Ottanatham-150ha TN Kulam – 150 ha Poovani – 25 ha Akkanayakanpatti – 40ha	CFLD, Training and advisory services
6	Groundnut	Reduction in area of cultivation from 164ha to 25 ha – problem of commission agents – low profitability	1183 ha	Poovani -35 ha TN Kulam-42ha Akkanayakanpatti -25ha	CFLD, Training and advisory services
7	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	Sivaganapuram – 102 ha	CFLD, Training and advisory services
8	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, continuing FLD on HDP techniques
9	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	Continuing FLD, Training and advisory services
10	Bhendi	Lack of proper supply chain system. Low price for vegetables during peak harvesting season Perishable nature of vegetables Lack of knowledge on minimal processing like grading, sorting and packaging Wastage of vegetables during marketing YMV infestation (75%) Susceptibility of ruling variety	1820 ha	TN Kulam (680ha)	OFT, FLD, Training and advisory services

		(MH -10)(75% Little awareness on resistant varieties (90%) Yield(14ton/ha) and income loss			
11	Tomato	Lack of proper supply chain system Low price for vegetables during peak harvesting season Perishable nature of vegetables Lack of knowledge on minimal processing like grading, sorting and packaging Wastage of vegetables during marketing LCV attack in the local variety during fruiting stage (70%) Susceptibility of local variety-US 302, 95%) Little awareness on resistant varieties (90%) Lesser yield (34.ton/ha)and income	1100 ha	Poovani (320ha) TN Kulam (460ha)	OFT, FLD, Training and advisory services
12	Onion	Fluctuation in the market price Low returns to the farmers during peak production season Need to knowledge on value addition on onion products	800 ha	Vembar (300 ha) TN Kulam (210 ha)	FLD, Training and advisory services
13	Drumstick	Low returns from Moringa pods during peak season Non utilization of commercial potentials of Moringa leaves Perishability of Moringa leaves	2100 ha	Vembar (150ha)	EDP, Training and advisory services
14	Guava	Underutilization of resources, Low production, productivity and net profit Little awareness on HDP system among the farmers	120 ha	Ottanatham – 1ha	Continuing FLD, Training and advisory services
15	Jasmine	Low or nil flower production during winter (100%) Poor pruning management (85%) Non application of growth promoters (50%) Low production(8.4 ton/ha) and income	785ha	TN Kulam (26ha)	FLD, Training and advisory services
16	Sheep and Goat	Ill thrift/ low weaning body weight (avg.5.5kg) due to MN deficiency and worm load Mortality due to infectious diseases upto 20% Low weight gain due to Fodder shortage (50%) Mortality due to grain overloads (10%)	4.93 lakhs	TN Kulam(1500) Ottanatham (2560) Poovani (2450)	FLD, Training, method demonstrations, veterinary camps
17	Backyard poultry	Mortality upto 40% due to RD Low productivity of desi birds (95%) Lack of awareness in improved breeds for BYP (95%)	3.15 lakh	TN kulam (500) Pudur (1200) Ottanatham (560) Poovani (450)	OFT, Training, IFS veterinary camps
18	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	1.24 lakh	Poovani - 265 TN kulam – 248 Ottanatham -115	FLD, Training, Demonstration, Veterinary camp, IFS and advisory services

		(15%)			
19	Palmyrah tree	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	475 ha	Vembar and its cluster village (175 ha)	EDP, Training, advisory services and demonstration

7. Abstract of Assessment proposed for the year 2018 - 19

Sl. No	Crop	Title	Village	Amount
1	Green gram	Assessing the performance of High yielding green gram varieties for dry land farming system	Ottanatham	19750
2	Bengal gram Sesame Castor	Assessing the suitability of alternate crop for black gram and green gram under dry land situation	Ottanatham	18000
3	Chilli	Assessment of High yielding chilli hybrids	TN Kulam	14250
4	Tomato	Assessment of Tomato hybrids for LCV resistance	TN Kulam	15625
5	Backyard poultry	Assessment of suitable poultry birds for backyard rearing	TN Kulam	18000
6	Dairy cow	Assessment of different oestrus synchronization procedures for the management of infertility in dairy cows	Poovani	11000
7	Millets	Assessment of acceptability of beta carotene enriched millet bar	Ottanatham	10000
Total				106625

8. Technology Assessment during 2018 - 19

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied		
1	Green gram	Low productivity (6.5qtl/ha) Lack of awareness on high yielding new variety (70%) Lack of awareness on YMV, powdery mildew resistance variety (70%)	Assessing the performance of High yielding green gram varieties for Dryland farming system	SMS (Ag)	5	No of plants / m ² No of pods /plant No of seeds /pod Pod borer and YMV incidence Yield /ha BC ratio		
		Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total Qty	Total Cost (Rs.)
	T1	Co (Gg) – 8	TNAU 2016	Seed	8Kg	1200	40Kg	6000
	T2	VBN (Gg) – 3	TNAU 2009	Seed	8Kg	1200	40Kg	6000
	T3	DDG (Gg) – 1	UAS Dharwad 2014	Seed	8Kg	1200	40Kg	6000
				Field Board	1	350	5	1750
TOTAL						3950		19750

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied	
2	Bengal gram Sesame Castor	Vagarious nature of monsoon causing crop losses very often Very less price during harvesting period (Rs.3900/qttl) More pest and diseases incidence (75%) Cost of cultivation for pulses Rs. 28750/ha	Assessing the suitability of alternate crop for black gram and green gram under dry land situation	SMS (Ag) SMS (Hort)	5	No of plants / m ² Pest and diseases incidence Yield /ha BC ratio	
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total Qty	Total Cost (Rs.)
T1	Black gram Green gram	Local	Sesame (TMV-7)	2Kg	450	10 Kg	2250
T2	Sesame (TMV-7)	TNAU	Bengal gram Co - 4	30Kg	2400	150 Kg	12000
T3	Bengal gram (CO-4)		Castor (TMV(CH)-1)	2Kg	400	10 Kg	2000
T4	Castor (TMV(CH)-1)		Field board	1	350	5	1750
TOTAL					3600		18000

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied	
3	Chilli	Low yield of Chilli hybrid US – 305 (70%) Occurrence of chilli mosaic and anthracnose (65%) Poor awareness on high yielding hybrid varieties (80%) Low productivity (21ton/ha) and profitability	Assessment of high yielding Chilli Hybrids	SMS (Hort)	5	No of plants / m ² 100 fruit weight (gm) Fruit yield / plant Yield /ha BC ratio	
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total Qty	Total Cost (Rs.)
T1	Farmers Practice – US 305	Local	Co – 1 seed	50gm	1050	250gm	5250
T2	Co (Ch) – 1	TNAU 2016	Arka meghana seed	50gm	1100	250gm	5500
T3	Arka meghana	IIHR 2017	Vegetable special	2 Kg	350	10 Kg	1750
			Field board	1No	350	5No	1750
TOTAL					2850		14250

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied	
4	Tomato	LCV attack in the ruling commercial and local variety during fruiting stage (70%) Susceptibility of -US 302 to LCV (55%) Little awareness on resistant varieties (90%) Lesser yield (34.ton/ha)and income	Assessment of Tomato hybrids for LCV Resistance	SMS (Hort)	5	LCV occurrence Fruit weight / plant No of fruit / plant Yield/unit area BCR	
Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total Qty	Total Cost (Rs.)
T1	Farmers Practice (US-302)	Local	Co(TH)3 seed	50gm	1050	250gm	5250
T2	Co(Th) 3	TNAU 2008	Arka Rakshak seed	50gm	1550	250gm	7750
T3	Arka Rakshak	IIHR 2010	Veg. special	1Kg	175	5Kg	875
			Field board	1No	350	5No	1750
TOTAL					3125		15625

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied		
5	poultry	Low income (65%) Low body weight gain (20%), Low egg production (20%)	Assessment of suitable poultry bird for backyard rearing	SMS AS	3	Body weight gain (g) Livability (%) Egg yield upto 48wks Age at start of egg laying B. C. Ratio		
	Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per unit	Total Qty	Total Cost (Rs.)
	T1	Farmer practices Native birds		Chick feed 15 kg each for option 2,3 and 4	45kg	30	135	4050
	T2	Grama priya birds	DPR – Hyderabad	Grama priya chicks	30 Nos	50	90	4500
	T3	TANUVAS Aseel Chicken	TANUVAS 2017	TANUVAS Aseel chicks	30 Nos	50	90	4500
	T4	Srinidhi	DPR Hyderabad 2015	Srinidhi chicks	30 No.s	50	90	4500
				Lasota vaccine vial	2	50	6	300
			Fowl pox vaccine vial	1	100	3	300	
TOTAL								18150

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied		
6	Dairy cow	Delayed inseminations (60%), Repeat breeding (20%), Infertility (20%)	Assessment of different oestrus synchronization procedures for the management of infertility in dairy cows	SMS AS	10	Efficiency in estrus synchronization No. of inseminations required for successful fertilization B. C. Ratio		
	Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total Qty	Total Cost (Rs.)
	T1	Farmer practices AI / NS for cows in oestrus	TANUVAS					
	T2	Oestrus synchronization using PGF ₂ α	TANUVAS	PGF ₂ α 25 mg	10ml	650	100ml	6500
	T3	Oestrus synchronization using prosynch NC protocol	TANUVAS, 2017	Prosynch NC	1Nos	450	10Nos	4500
TOTAL					1100		11000	

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Team members	No. of trials	Parameters to be studied		
7	Millets	Underutilization of millets Lack of ready to eat millet foods	Assessment of acceptability of beta carotene enriched millet bar	SMS (HS)	5	Sensory attributes (Colour, flavour, texture, taste and over all acceptability) Shelf life BCR		
	Technology options		Source of Technology	Name of critical input	Qty per trial	Cost per trial	Total Qty	Total Cost (Rs.)
	T1	Plain millet bar	CSC&RI 2018	Millets (Finger millet, Pearl millet ,Barnyard millet& jaggery)	1	1000	5	5000

			Packaging materials (Food grade pouches)	1	3000	1	3000
	T2	Beta carotene enriched millet bar	Hand sealing machine	1	2000	1	2000
TOTAL					6000		10000

9. Abstract of FLDs proposed for the year 2018 - 19 (on order of priority)

Sl. No	Crop/ enterprise	Title	Village	Amount
1	Paddy	Demonstration of Paddy TRY (R) 3 with ICM Practices for saline affected area	Melapoovani	34900
2	Maize	Demonstration on TNAU Maize hybrid Co-6 with soil moisture conservation technology in Dry land farming	Sivaganapuram	28000
3	Bhendi	Demonstration of CO(Bh) 4 Bhendi	TN Kulam	25500
4	Banana	Demonstration of technologies to enhance the bunch weight	Manjaneerkayal	9625
5	Jasmine	Demonstration of Precision Production Technology for yield enhancement in Jasmine	TN Kulam	18250
6	Cattle	Mixed Green fodder cultivation	TN Kulam	22000
7	Sheep & Goat	Demonstration on Targeted selective treatment (TST) approach for management of haemonchosis in Sheep & Goat	Ottanatham	18000
8	Dairy cows	Demonstration on Veterinary first aid kit to reduce calf mortality	TN Kulam	12000
9	Vegetables	Demonstration of minimal processing for sustainable Value chain system for vegetables	TN Kulam	13500
10	Onion	Demonstration of production of Dehydrated onion and their products as entrepreneurial activity	Vembar Cluster	50350
Total				232125

10. Frontline Demonstrations during 2018 - 19

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied		
1	Cereals	Paddy	Lack of awareness on saline resistant varieties and reclamation of saline soil (60%) Lack of awareness on INM-IPDM practices (68%) low yield from the existing variety ADT (R) -45 (4350 kg/ha) Non adoption of soil reclamation practices (98%) Salinity (P ^H – 8.6 and Ec – 1.6) – 62ha	ICMP in Paddy TRY (R) - 3 (TNAU 2010) duration 135 days Medium bold (Y – 5.8 t/ha) INM Methods Green manure (Daincha)@ 50 kg seeds/ha (TNAU) Bio fertilizer seed treatment and gypsum application 500 kg /ha + NPK 150 : 50 : 50 + Zinc Sulphate - 25 kg /ha IWM - Pre-emergence herbicides - Butachlor 1.25kg/ha and IPDM Practices - Leaf folder and stem borer control by releasing T.chilonis and T.japonicum parasitoids respectively @ 2cc/acre - 3times at 15 days interval	Variety	SMS (Ag) SMS (Hort)	Soil pH, Ec, SAR, OC No of hill / m ² No of tillers / hill No of seed / panicle BC ratio P&D incidence, weed biomass Yield/ha		
	Name of the Hybrid or Variety	Source of Technology	Name of critical input		Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	TRY – 3	TNAU 2010	Paddy TRY (R) 3	24Kg	840	240 Kg	10	8400	
			Azophos	1kg	50	10 Kg		500	
			Daincha	20kg	1200	200 Kg		12000	
			T. Chilonis, T. Japonicum egg card	6cc each	600	60cc		6000	
			EM	3lit	450	30lit		4500	
			Field Board	1 No	350	10		3500	
	TOTAL				3490			34900	

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
2	Millets	Maize	Occurrence of terminal drought, water scarcity problem (60 %) Lack of awareness on soil moisture conservation technology (75%) Lack of awareness on ICMP practice (65 %)	Duration 110days Seed rate 20kg/ha Seed treatment Azophos Residue mulching (Tractor drawn Rotovator) Ridges and furrow formation NPK : 60:30:30Kg/ha Foliar spray of TNAU Maize Maxim @ 3 kg/acre in 200 liters of water Apply MN Mixer 7.5 kg /ha Apply Atrazine @ 0.25 kg/ha as pre-emergence on 3-5 DAS followed by 2,4-D @ 1 kg/ha on 20-25 DAS, IPDM	Hybrid	SMS (HS) SMS (Hort)	Population / m2 Cob wt /plant 100 seed wt BC ratio Yield/ha Soil moisture level	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	Co – 6	TNAU	CO (MH) -6	8Kg	1600	80 Kg	10	16000
			Azophos	1kg	50	10 Kg		500
			Maize maxim	2lit	350	20lit		3500
			PPFM	1.5lit	450	15lit		4500
			Field Board	1 No	350	10		3500
			TOTAL		2800			28000

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
3	Vegetables	Bhendi	YMV infestation (75%) Susceptibility of ruling variety (MH -10)(75%) Little awareness on resistant varieties (90%) Yield(14ton/ha) and income loss	Cultivation of YMV resistant CO(Bh) 4 with ICM practices	Variety	SMS (Hort) SMS (Ag)	No of fruits / plant Fruit yield / plant % of YMV incidence Yield / ha B.C Ratio	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	Co (Bh) – 4	TNAU 2016	Bhendi COBh 4 seeds	1Kg	2025	10Kg	10	20250
			Vegetable special	1Kg	175	10Kg		1750
			Field board	1No	350	10		3500
			TOTAL		2550			25500

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied
4	Fruits	Banana	Low bunch quality, weight (20-22kg) Lesser market price (170-200/bunch) Low production and productivity	1. Denaveling 2. Feeding of Blending 15 gm of (Approximately 7.5g of Urea) And 7.5 g of Sulphate of Potash dissolved in 500 ml water + 500 gm of fresh cow dung and applying the Slurry to the De-naveled stalk-end after the murgence of last hand 3. Foliar application 3% panchakavya / EM after the last hand emergence 4. Foliar application of 0.5% banana special on 3 rd , 5 th and	Variety	SMS (Hort) SMS (Ag)	Number of hands Bunch weight Yield BC Ratio

Name of the Hybrid or Variety	Source of Technology	7 th month after planting		Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
		Name of critical input	Qty per Demo				
Robusta		Sulphate of potash	2.5kg	775	12.5Kg	5	3875
		Banana special	1.5kg	300	7.5Kg		1500
		Panchakavya	5 lit	500	25Lit		2500
		Field Board	1No	350	5No		1750
		TOTAL		1925			9625

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
5	Flowers	Jasmine	Low or nil flower production during winter (100%) Poor pruning management (85%) Non application of growth promoters(50%) Low production(8.4 ton/ha) and income	Biofertilizer: Soil application of 2 kg each of <i>Azospirillum</i> and Phosphobacteria per ha at the time of planting. It is to be mixed with 100kg of FYM and applied in pits. Summer pruning (May-june) followed by manuring Media consortia: 5kgFYM + 500g Neem cake + 100g Vermicompost are applied per pit at the time of planting. Irrigation: Once in 3 days through drip system. Manuring: 100% RDF (60:120:120g NPK/plant/year) as WSF [Polyfeed (19:19:19), Flower induction through Potassium Nitrate (13:0:45) and 1% Urea foliar spray. Bio stimulants: Foliar spray of Panchagavya 3% + Humic acid 0.4% at monthly intervals. Micronutrients: Foliar spray of FeSO ₄ @ 0.5% + ZnSO ₄ @0.5% at monthly intervals. Yield: 12 t/ha.	Variety	SMS (Hort) SMS (Ag)	Flower yield / plant Yield / ha B.C Ratio	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	Ramanatha puram local	TNAU IIHR	Azospirillum+ Phosphobacteria	4kg	400	40Kg	10	4000
			Panchakavya/EM	2lit	350	20lit		3500
			Nutrient consortium (ZnSO ₄ + FeSo ₄)	1.5kg	350	15Kg		3500
			KNO ₃	1.5kg	375	15Kg		3750
			Field Board	1No	350	10No		3500
	TOTAL				1825			18250

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
6	Animal	Fodder	Lack of green fodder feeding during dry season Under performance of cross bred milch cows (milk yield 6.5lit/day, Milk SNF-7.7 , Fat-3.9%, TS- 11.6 and the avg rate for milk – 24.47/lit Lower net profit/unit due to poor feeding practices (98%)	Mixed green fodder cultivation (CO CN -5, Hedge lucerne/Sesbania, Fodder sorghum CoFS 31)	---	SMS (AS)	Green fodder yield/ha Milk yield/lactation Income/cow Net profit BC ratio Milk Fat/SNF	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	---	---	Fodder sets Co(CN)-5	1600	1600		10	16000
			Hedgelucerne / sesbania seeds	250g	150	2.5Kg		1500
			Fodder sorghum CoFS31	250g	100	2.5Kg		1000
			Field board	1	350	10		3500
			TOTAL		2200			22000

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
7	Animal	Sheep & Goat	Lack of knowledge on endoparasitic control measures / dosage (40%) Inadequate knowledge on selective treatment methods (20%) ; Poor weight gain and low market weight (10%) Alopecia and anemic condition (30%)	Targeted selective treatment (TST) approach (CSWRI, 2017)	---	SMS (AS)	Recurrence of infestation (%) Body Weight gain (Kg) B. C. Ratio	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	---	CSWRI, 2017	Dewormer (levamisole)	1lit	600	10lit	10	6000
			FAMACHA chart	1No	100	10No		1000
			Mineral mixture	10No	550	100No		5500
			Mineral lick	10No	550	100No		5500
			TOTAL		1800			18000

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
8	Animal	Dairy cattle	Lack of knowledge on neonatal management(50%) Inadequate knowledge on deworming (30%)	Demonstration on veterinary first aid kit to reduce calf mortality (TANUVAS, 2018)	---	SMS (AS)	Calf birth weight (Kg) Feed intake / calf (Kg) Mortality % B.C. Ratio	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	---	(TANUVAS, 2018)	Veterinary first aid kit (Calf kit, Dewormer, anti-bloat, ectoparasiticides, antipyretic, antibiotics, wound healer)	1No	1200	10No	10	12000
			TOTAL		1200			12000

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
9	Vegetables	All vegetables	Lack of proper supply chain system Low price for vegetables during peak harvesting season Perishable nature of vegetables Lack of knowledge on minimal processing like grading, sorting and packaging Wastage of vegetables during marketing	Demonstration on multi cropping and staggered sowing Demonstration on decontamination of pesticides residual methods Suitable methods of minimal processing and Packaging Market tie up with retail markets		SMS (HS) SMS (Hort)	Pre preparation loss, Shelf life, Consumer preference Income/head BCR	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	---	TNAU	Plastic crates/ corrugated box	100	1000	1000	10	10000
			Field Board	1	350	10		3500
			TOTAL		1350			13500

Sl. No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Team members	Parameters to be studied	
10	Vegetables	Onion	Fluctuation in the market price Low returns to the farmers during peak production season Lack of knowledge on value addition on onion products	Demonstration of onion flakes, onion powder and onion Vadagam using local variety	variety	SMS (HS) SMS (Hort)	Sensory Evaluation, Consumer preference, marketability, shelf life, BCR	
	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	Total Qty	No. of Demo	Total cost for the Demo (Rs.)
	Local	TNAU	Solar drier	1	50000	1	10	50000
			Field Board	1	350	1		350
			TOTAL		50350			50350

11. Integrated Farming System

Thematic area	Integrated Farming System (IFS)		
Budget proposed in Rs.	44700		
Technology to be demonstrated	Rearing improved desi chicken like Gramapriya/ Cauvery Honey bee rearing Azolla cultivation for livestock and poultry feeding Recycling crop residues through vermicomposting in bed method		
Village identified	Melapoovani, Ottanatham, TN kulam		
Number of farmers to be enrolled	10		
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	Rs. 2000 X 5 Demo	10000
3	Panchakavya and organic Pest repellent preparation using plastic drum	Rs. 1200 X 6 Demo	7200
4	Improved backyard poultry chicks	Rs. 1000 X 5 Demo	5000
5	Honey bee boxes with hives	Rs. 2500 X 6 Demo	15000
	TOTAL		44700

Details of farming system practices with IFS farmers identified for interventions

Village	Farming practices available	Possible proposed Inclusions
TN Kulam	Cropping pattern Garden land – Paddy/ Vegetable/Flower – Cotton Livestock - Cattle , Goat, backyard poultry Composting by open yard method	Azolla cultivation Vermicomposting Panchakavya and organic Pest repellent preparation Improved backyard poultry rearing Honey bee keeping
Melapooovani	Cropping pattern Garden land - Vegetable/Flower – Cotton Dry land - Black gram/green gram/ cotton/ Sorghum Livestock – cattle, goat , Backyard poultry Composting by open yard method	Pigeon Squab rearing Improved backyard poultry rearing Vermicomposting Azolla cultivation Honey bee keeping Panchakavya and organic Pest repellent preparation

12. Entrepreneurship Development Program (EDP)

No.	1		
Title of the Program	Promotion of Palmyra Products		
Budget proposed in Rs.	38500		
Prioritized problem	<ul style="list-style-type: none"> • Low price for the palm tubers • Minimum level of awareness on value addition • Underutilization of palm tuber and low level of understanding on its nutritive value • Poor shelf life for fresh tuber 		
Technology to be demonstrated	<ul style="list-style-type: none"> • Demonstration of Palm Tuber Flour making • Demonstration and standardization of value added products from Palm Tuber Flour Eg. Adai mix, Nutrimix • Labeling, attractive packing and marketing through JLG / FPO linkage 		
Village identified	Vembar		
Number of farmers to be enrolled	10		
Parameters to be observed	Recovery %, Shelf life, Consumer preference, Income/head, BCR		
Team members	SMS (HS), SMS (Hort)		
Budget for EDP – 1			
S. No	Details	Unit cost	Amount
1	Labeled poly cover packing and branding for Adai mix and Nutrimix	35000	35000
2	Field board	350	3500
TOTAL			38500
No.	2		
Title of the Program	Promotion of Dairy Products		
Budget proposed in Rs.	91500		
Prioritized problem	<ul style="list-style-type: none"> • Low price for milk • Low shelf life of paneer • Little awareness on Branding, Labeling, Packing and marketing 		
Technology to be demonstrated	<ul style="list-style-type: none"> • Vacuum packing and Paneer making • Flavored whey drink • Branding, Labeling, Packing and marketing • Marketing through PP mode 		
Village identified	TN Kulam		
Number of farmers to be enrolled	10		
Parameters to be observed	Recovery %, Shelf life, Consumer preference, Income/head, BCR		
Team members	SMS (HS), SMS (Hort)		
Budget for EDP – 2			
S. No	Details	Unit cost	Amount
1	Vacuum packaging machine	53000	53000
2	Printed poly covers	35000	35000
3	Field board	350	3500
TOTAL			91500

13. Training for Farmers/ Farm Women during 2018 - 19

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	Vegetables	Water shortage	Training	Precision farming techniques	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	Milk	Low price for milk	EDP	Value addition on milk products	2	40	SMS(H.Sc)
7	Home science	Millets	Lack of awareness about its value addition	OFT	Value addition on millets	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	Maize	Low productivity of traditional varieties	FLD	ICM for Co (MH) 6	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
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 2018 – 19

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	Poly house	Poor quality planting materials	Training	Poly house cultivation for commercial horticulture crops	1	20	SMS Hort
2	Horticulture	Hydroponics	Un employment and under employment	Training	Hydroponics farming for vegetable cultivation	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	Home science	Nutrition	Lack of awareness on linkage between sanitation, health & nutrition	Training	Training on nutrition health and hygiene	2	40	SMS H.Sc
6	Livestock Production	Goat rearing	Low productivity	Training	Goat rearing as an entrepreneurial activity	2	40	SMS AS
7	Livestock Production	Japanese quail	Non availability and less awareness	Training	Japanese quail farming	1	20	SMS AS
8	Agronomy	All Crops	High cost of pesticide	Training	Panchakavya and Poochivirati Production	1	20	SMS Ag
9	Agronomy	Mushroom	Non availability of crops	Training	Spawn, Mushroom Production methods	1	20	SMS Ag
10	Agronomy	Seed production techniques	Non availability and less awareness	Training	Seed production in cereals, millets and pulses	1	20	SMS Ag
11	Agronomy	All crops	Lack of awareness about soil moisture conservation	Training	Composting technology and soil moisture conservation	1	20	SMS Ag
TOTAL						15	300	

15. Trainings for Extension Personnel during 2018 – 19

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)&(Horti) SMS (AS)
3	Seed production	Seed production techniques for Solanaceous vegetables	1	20	SMS(Hort)
4	Organic farming	Organic farming practices for horticulture crops	1	20	SMS(Hort)
	Dry land farming	Fruit trees for dry land farming	1	20	SMS (Hort)
	Precision farming	Precision farming techniques for commercial horticulture crops	1	20	SMS (Hort)
5	Home Science	Value addition on Moringa products	1	20	SMS (H.Sc)
6	Home Science	Value addition on minor millets	1	20	SMS (H.Sc)
	Home science	Training on nutrition, health and hygiene	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			15	340	

16. Vocational trainings during 2018 – 19

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	Hydroponics & vertical farming techniques for vegetable production	1 (3 days)	Farmers & Extn. Personals	30	NABARD / DST	SMS(Hort) SMS (Ag) SMS (H.Sc)
4	Home Science	Value addition on minor millets	1 (3 days)	Youth & women	20		SMS H.S
5	Home Science	Value addition on palmyra product	1 (3 days)	Youth & women	20	DST	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 (5 Batches)	Farmer's & Youth	20	ASCI	SMS Ag SMS Hort
8	Community development	Community development worker	200 hrs (5 Batches)	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 2018 – 19

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	Hydroponics & vertical farming techniques for vegetable production	1 (3 days)	Farmers & Extn. Personals	30	NABARD / DST	SMS (Hort) SMS (Ag) SMS (H.sc)
4	Home Science	Value addition on palmyra product	1 (3 days)	Youth & women	20	DST	SMS H.S
5	Coconut tree management	Coconut tree climbing using devise and tree management	200 hrs	Farmer's & Youth	20	ASCI	SMS Ag SMS Hort
6	Community development	Community development worker	200 hrs	Rural youth	20	ASCI	SMS H.Sc SMS AS SMS Hort SMS Ag
7	IFS	Integrated farming system models for different eco situations	1 (3 days)	Farmer's & Youth	20	NABARD	SMS AS SMS Ag SMS H.Sc
8	Dairy cattle	Recent advances in dairy cattle management	1 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS Ag SMS H.Sc
9	Poultry production	Scientific practices for rearing improved chickens in backyards	1 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS H.Sc

10	Goat rearing	Technologies for Profitable goat rearing	2 (3 days)	Farmers and farm women	30	NABARD	SMS AS SMS H.Sc
TOTAL			11/ 77 days		260		

18. Extension programmes during 2018 – 19

Sl. No	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	325	165000	ALL SMS
15.2	Diagnostic visits	85	580	ALL SMS
15.3	Field Day	15	350	ALL SMS
15.4	Group discussions	25	400	ALL SMS
15.5	Kisan Ghosthi	1	200	ALL SMS
15.6	Film Show	5	1000	ALL SMS
15.7	Joint Liability Group	200	1000	ALL SMS
15.8	Kisan Mela	1	500	ALL SMS
15.9	Exhibition	8	570	ALL SMS
15.10	Scientists' visit to farmers field	212	1900	ALL SMS
15.11	Plant/Soil health campaign	8	200	ALL SMS
15.12	Farm Science Club	20	400	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	800	ALL SMS
15.17	Exposure visits	6	240	ALL SMS
15.18	Technology week,	1	750	ALL SMS
15.19	Farm innovators meet	1	100	ALL SMS
15.20	Awareness programs	10	200	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	20	2000	ALL SMS
15.26	Swatch barath programme	5	500	ALL SMS
15.27	Jai Kissan Jai Vigyan celebration	5	500	ALL SMS
TOTAL		1043	181690	

19. Activities proposed as Knowledge and Resource Centre during 2018–19**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
		Poultry hatchery	120 and 240 egg capacity	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 2018 - 19	Names of the team members involved
19.2.1	Seeds	Sorghum K-12	4 qtl	SMS Ag and FM
		Blackgram VBN(Bg)-6	6qtl	SMS Ag and FM
		Greengram Co-8(GG)	6qtl	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 HS. 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
		Gliricidia	1000 numbers	SMS Hort, and FM
		Jasmine seedlings	1000 numbers	SMS Hort, and FM
		Ornamental cuttings	10000 numbers	SMS Hort, and FM
		CO(CN)-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 fluorescence	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
	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 2018)	Comp Prog, SMS AS, HS, Ag, Hort

Additional Activities Planned during 2018 - 19

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	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
20.2	NABARD	Promotion of FPO	3 FPO, 500 farmers per FPO	2700000 for 3 years	All SMS
20.3	NABARD	JLG Formation	500 groups	1000000 for 2 years	SMS Home Science

20. Revolving Fund**21.1 Financial status**

Opening balance as on 01.04.2017 (Rs.in Lakh)	Expenditure incurred during 2017 – 18 (Rs.in Lakh)	Receipts during 2017 – 18 (Rs.in Lakh)	Closing balance as on 31.03.2018 (Rs.in Lakh)	closing balance by 31.03.2018(Including value of material in stock)
2.76	6.36	9.49	5.89	8.18

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	SS&H i/c & FM
2	Salt lick production	2000 Kg	130000	50000	SS&H i/c & Lab.Tech
3	Calf rearing	8 numbers	240000	40000	SS&H i/c & FM
4	Rural veterinary campaign	2000 animals	30000	10000	SS&H i/c
5	Paid training programmes	240	24000	24000	SS&H i/c
6	Project report preparation	25 farmers	5000	5000	SS&H i/c
7	Fodder seed sales under PPP	5 qtl	200000	25000	SS&H i/c
	Sub total			227500	
8	Nutrimix production under PPP mode	10000 kg	10000	10000	SMS (HS) & SMS (Hort)
9	Cluster bean MDU-1 seed production in roof garden	50kg	40000	20000	SMS (HS) & SMS (Hort)
10	Vegetable seed kit pack	500 Nos	15000	8000	SMS (HS)
11	Roof garden kit sales	100 kits	50000	10000	SMS (HS)
12	Paid training programme	50 persons	5000	5000	SMS (HS)
	Sub Total			53000	
13	Trichoderma Viridi	200 Kg	16000	3000	Lab.Tech & SMS (Ag)
14	Biofertilizer - Azophos, Rhizosphos, etc	500 kg	25000	7500	Lab.Tech & SMS (Ag)
15	Pseudomonas fluorescence	500 kg	40000	10000	Lab.Tech & SMS (Ag)
16	EM production	2500 lit	275000	50000	Lab.Tech & SMS (Ag)
17	Vermicompost	40 qtl	24000	8000	Lab.Tech & SMS (Ag)
18	Soil and water testing	650	65000	10000	Lab.Tech & SMS (Ag)
19	Paid training programmes	50 persons	15000	15000	Lab. Tech & SMS (HS)
20	Mushroom production	20 kg/m	36000	18000	Lab. Tech & SMS (HS)
21	Mushroom spawn production	1000 pockets	30000	10000	Lab. Tech & SMS (HS)
	Sub Total			131500	
20	Fruit graft seedlings production under PPP mode	4000 no's	140000	40000	SMS (Hort) & F.M
21	Jasmine seedling production	2000	10000	5000	SMS (Hort) & F.M
22	HDP in guava under drip	100trees	40000 from 3 rd year	0	SMS (Hort) & F.M
23	HDP in lime under drip	100 trees	30000 from	0	SMS (Hort) & F.M

			3 rd year		
24	HDP in Amla under drip	100 trees	30000 from 3 rd year	0	SMS (Hort) & F.M
25	Cluster bean co14 lab labseed production	1.5qtl	90000	25000	SMS (Hort) & F.M
26	Vegetables & greens	0.5ac	30000	5000	SMS (Hort) & F.M
27	Forest saplings	2000nos	20000	10000	SMS (Hort) & F.M
28	Paid training programmes	50	7500	7500	SMS (Hort) & F.M
29	Mango and sapota production	500 kg	10000	2000	SMS (Hort) & F.M
	Sub Total			92500	
30	Tamarind production	250kg	7500	2500	SMS (Ag) & F.M
31	Coconut production	500 kg	15000	5000	SMS (Ag) & F.M
32	Coconut seedling production	1000	40000	20000	SMS (Ag) & F.M
33	Paddy seed production	70 qtl	210000	70000	SMS (Ag) & F.M
34	Panchakavya production	50lit / month	36000	18000	SMS (Ag) & F.M
35	Daincha seed production	3 qtl	12000	4000	SMS (Ag) & F.M
36	Fodder seed production CO (FS) 29 & 31	2 qtl	80000	10000	SMS (Ag) & F.M
37	Silk Cotton	130 trees	30000 from 3 rd year onwards	0	SMS (Ag) & F.M
38	Black gram (Rice fallow)	3 qtl	21000	15000	SMS (Ag) & F.M
	Black gram and green gram seed production under PPP mode	10 qtl	120000	20000	SMS (Ag) & F.M
39	Sub total			164500	
	Grand total			669000	

21. Activities of soil, water and plant testing laboratory during 2018 - 19

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-

22. E-linkage during 2018 - 19

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 2018	SMS AS & Com. Prog
		Alternative poultry production enterprise	May 2018	SMS AS & Com. Prog
		Haulage preparation and feeding	June 2018	SMS AS & Com. Prog
		Silage preparation and feeding	June 2018	SMS AS & Com. Prog
		Broiler goat rearing	July 2018	SMS AS & Com. Prog
		Fodder cultivation and feeding livestock	Aug 2018	SMS AS & Com. Prog
		Clean milk production	Sept 2018	SMS AS & Com. Prog
		Comprehensive disease control in livestock	Oct 2018	SMS AS & Com. Prog
		Cultivation fruit tree- mango, amla, guava, sapota	May 2018	SMS Hort& Com. Prog
		Net house vegetable cultivation	July 2018	SMS Hort& Com. Prog
		High density planting mango and guava	Aug, 2018	SMS Hort& Com. Prog
		Drought mitigation technologies	April 2018	SMS Ag & Com. Prog
		Integrated crop management in Paddy	May 2018	SMS Ag & Com. Prog
		ICM in Groundnut	June 2018	
ICM in Millet	July 2018	SMS Hort, Ag & Com. Prog		
ICM in black gram	Aug 2018	SMS Ag & Com. Prog		
Organic farming practices for crop cultivation	Sept 2018	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 2018	Comp. Programmer & Prog. Coordinator
		FLD database	June 2018	Comp. Programmer & Prog. Coordinator
		OFT database	July 2018	Comp. Programmer & Prog. Coordinator
		District profile updation	Aug 2018	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 2018 – 18	Round the year	All SMS , Computer programmer & Prog. Coordinator

23. 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	

24. 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 2018
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.

25. 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	Poovani – Melapoovani
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	End line measurements , Survey format and blood testing for hemoglobin level

26. 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 2018	Area (Ha)	
		Crop	
		Casuarina	0.4
		Drumstick	0.4
		Coconut	2.0
		Sapota	0.4
		Cambu Napier Co -4	0.4
		Fodder sorghum Co (Fs) 29	0.4
		Mango	1.45
		Silk cotton	0.4

		Nursery, Guava mother plant	0.8
		TOTAL	6.65
8	Season – II Crops planned to be cultivated in KVK campus during October to February 2019	Agro silvi pasture (subapul, Neem, Kozhingi, Pungam and Horse gram, millets)	4.45
		Casurina	0.4
		Lime, guava, amla – HDP and Guava mother plant	0.4
		Fodder cowpea	0.2
		Drumstick	0.6
		Coconut	2.0
		Cambu Napier Co-4	0.4
		Fodder sorghum Co (Fs)29	0.4
		Daincha	0.4
		Sapota	0.4
		Bhendi & greens	0.4
		Mango	1.45
		Silk cotton- Kozhingi (theprosiapurpuria) seed production	0.4
		Paddy	2.43
		Nursery, Guava mother plant	0.8
		TOTAL	15.93
9	Season – III Crops planned to be cultivated in KVK campus during March to May 2019	Agro silvi pasture (subapul,Neem, Pungam)	4.45
		Casurina	0.4
		Drumstick	0.4
		Coconut	2.0
		Cambunapier Co-4	0.4
		Fodder sorghum Co(Fs)29	0.4
		Sapota	0.4
		Mango	1.45
		Cluster been	0.2
		Daincha	2.43
		TOTAL	12.73
10	Area under building in ha		2
11	Area under demonstration unit		0.8
12	Any other remark		Nil

27. Budget - Details of budget utilization (2017 – 18) Upto 31st Mar 2018

Sl. No	Particulars	Sanctioned		Expenditure Rs.
		BE	RE	
A	Recurring Contingencies			
	Pay & Allowances	96,00,000	84,65,000	84,36,960
	Traveling allowances			
	a. Field activities & programmes	1,25,000	1,45,000	81,448
	b. Training programmes			
	Contingencies			
	A. Office Contingencies			
	a. Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	5,50,000	5,50,000	5,49,819
	b. POL, repair of vehicles, tractor and equipment			
	B. Technical Programme			
	a. Rs. 150/ person per day towards food and refreshment for kvk training programmes for farmers / extension personals			
	b. Teaching materials for training and demonstration			
	c. Training of extension functionaries			
	d. publication extension literature for farmers and extension functionaries			
	e. honorarium to farmers	8,94,000	8,94,000	8,93,614
	f. On farm testing (problem oriented)			
	g. Front Line demonstration on major crops			
	h. Kissan Mela / farmers fair (at KVK farm)			
	i. Library (Purchase of Journal, Periodicals, News Paper and Magazines)			
	j. Maintenance of farm			
	k. EDP / IFS / FFS / FLS			
	Total of Contingencies	14,44,000	14,44,000	14,43,433
	Total Recurring	1,11,69,000	1,00,54,000	99,61,816
B	Non-Recurring Contingencies			
	Works			0
	Furniture & Equipments			0
	Vehicle (Four wheeler/Two wheeler, please specify)			0
	Library			0
	Total Non-Recurring			0
	REVOLVING FUND			0
	GRAND TOTAL (A+B+C)	1,11,69,000	1,00,54,000	99,61,816

28. Details of Budget Estimate (2018 - 19) based on proposed action plan

Sl. No	Particulars	BE 2018 - 19 Proposed (Rs.)
A	Recurring Contingencies	
	Pay & Allowances	1,00,04,000
	Traveling allowances	
	a. Field activities & programmes	1,50,000
	b. Training programmes	
	Contingencies	
	A. Office Contingencies	
	a. Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	6,00,000
	b. POL, repair of vehicles, tractor and equipment	
	B. Technical Programme	
	a. Rs. 150/ person per day towards food and refreshment for kvk training programmes for farmers / extension personals	
	b. Teaching materials for training and demonstration	
	c. Training of extension functionaries	
	d. publication extension literature for farmers and extension functionaries	
	e. honorarium to farmers	10,00,000
	f. On farm testing (problem oriented)	
	g. Front Line demonstration on major crops	
	h. Kissan Mela / farmers fair (at KVK farm)	
	i. Library (Purchase of Journal, Periodicals, News Paper and Magazines)	
	j. Maintenance of farm	
	k. EDP / IFS / FFS / FLS	
	Total of Contingencies	16,00,000
	Total Recurring	1,17,54,000
B	Non-Recurring Contingencies	
	Works	0
	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	2,00,000
	Equipment and furniture	
	a. Tractor replacement	9,00,000
	b. Computer with accessories	2,50,000
	c. Farm equipment like pulses seed drill, mechanized dry land weeder, paddy transplanted, bund farmer, etc	5,00,000
	d. Furniture for farmers hostel	5,00,000
	Vehicle(Four wheeler/Two wheeler, please specify)	0
	a. Four wheeler replacement	13,00,000
	Library	10,000
	Total Non-Recurring	46,60,000
	REVOLVING FUND	0
	GRAND TOTAL (A+B+C)	1,64,14,000

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