

ACTION PLAN OF ICAR-KVK, KANYAKUMARI (TNAU) 2017-18

1. General information about the ICAR-Krishi Vigyan Kendra

1.1	Name and address of ICAR-KVK with Phone, Fax and e-mail	:	ICAR-Krishi Vigyan Kendra, Tamil Nadu Agricultural University, Thirupathisaram – 629 901 Kanyakumari District Tamil Nadu Phone : 04652-275759, 275758 E-mail : kvkppi@tnau.ac.in
1.2	Name and address of host organization	:	Tamil Nadu Agricultural University Coimbatore - 641 003 Phone : 0422-2431222, FAX : 0422-2431672 E-mail : vc@tnau.ac.in Web : www.tnau.ac.in
1.3	Year of sanction	:	2004
1.4	Website address of ICAR-KVK and date of last update		www.kvk-kumari.org , Feb'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	Dr. K. Ramakrishnan	Agricultural Extension	15600-39100	8000	07.04.17	Permanent
2.2	Subject Matter Specialist	Dr. K Kavitha	Plant Pathology	15600-39100	7000	31.08.16	Permanent
2.3	Subject Matter Specialist	Dr. Cissie Theeblyn David	Food Science and Nutrition	15600-39100	7000	06.04.17	Permanent
2.4	Subject Matter Specialist	Dr. R. Latha	Plant Breeding and Genetics	15600-39100	7000	04.03.16	Permanent
2.5	Subject Matter Specialist	Dr. A. Vijayakumar	Food Science and Nutrition	15600-39100	6000	13.08.14	Permanent
2.6	Subject Matter Specialist	Transferred on 05.04.2017	Agronomy				Vacant
2.7	Subject Matter Specialist	Transferred on 03.04.2017	Horticulture				Vacant
2.8	Programme Assistant	Tmt. K.R. Sudha	Agri. Extension	9300-34800	4400	04.06.07	Permanent
2.9	Computer Programmer	Mr. V. Sivaraman	Computer Science	9300-34800	4400	08.12.08	Permanent
2.10	Farm Manager	Mr. R. Rajesh Kannan	Horticulture	9300-34800	4400	14.05.15	Permanent
2.11	Assistant	Tmt. M. Indra	-	5200-20200	2800	16.07.14	Permanent
2.12	Jr. Assistant	Mr. T. Arulmuthu	-	5200-20200	2400	030.7.14	Permanent
2.13	Driver 1	Th. G. Jayasekaran	-	9300-34800	4200	01.05.04	Permanent
2.14	Driver 2	Th. P. Murugan	-	5200-20200	2400	23.02.15	Permanent
2.15	Supporting staff 1	Tmt. R. Parvathi	-	4800-10000	1300	10.04.15	Permanent
2.16	Supporting staff 2	Tmt. R. Shanmugasundaram	-	4800-10000	1300	10.04.15	Permanent

3. Details of SAC meeting conducted during 2017-18

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed 2017-18
3.1	17.9.16	Data on mechanization in rice cultivation viz., area of adoption, spread of technology, problems faced, labour saving to be documented	Documentation is under progress	December 2017
3.2		Trainings on value addition in pineapple to be given to the needy people and the impact study is to be conducted. The training has to be conducted at the farm of Mr. Henry.	Training will be conducted shortly	
3.3		Requirement of vegetable seeds by the farmers are to be satisfied by promoting kitchen garden.	FLDs and OFs on vegetable crops viz., Brinjal, Bhendi, Cluster beans, Amaranthus is proposed for 2017-18. Training on roof top gardening and kitchen garden will be imparted shortly	
3.4		Create a whatsapp group for the farmers of Kanyakumari district for sharing information on Agriculture and allied sectors.	Whatapp groups viz., Kumari farmers, ARYA coconut and Arya banana was formed and information on Agriculture and allied sectors is shared periodically.	
3.5		More number of technical messages (@ 2 / Scientist / Month) is to be given to All India Radio, Nagercoil to reach the technologies widely to the farming community.	Sufficient number of technical messages are being sent to AIR	
3.6		Coordinate veterinary health camps for FMD in the KVK cluster villages with Department of Animal Husbandry, Nagercoil /VUTRC, Parakkai	Veternary health camps will be coordinated along with Department of Animal Husbandry,	
3.7		Organoleptic properties are to be studied of the table varieties of tapioca which are being assessed in OFTs.	Organoleptic studies will be conducted shortly	
3.8		Shade loving fodder crops suitable for growing in coconut garden are to be introduced.	Shade loving cereal fodder such as Guinea grass and Bajra napier grass are raised by the IFS farmers and the same was explained to the fellow farmers. FLD on Cereal + legume fodder	

			cultivation under coconut garden is proposed for 2017-18																	
3.9		Introduction of Redgram in Kanyakumari district with the support of Department of Agriculture have to be made	Department of Agriculture has supplied seeds of Red gram variety to the farmers.																	
4.0		Strengthening the revolving fund by producing planting materials of horticultural crops, value added products, spawn, etc.	Mushroom Spawn production has been initiated and Laminar air flow chamber has been purchased so as to establish a laboratory which facilitates large scale production of spawn.																	
4.1		Provide skill oriented training to the tribal people for enhancing their livelihood.	Training will be conducted shortly																	
4.2		Trainings are to be organised on value addition in Pineapple, Jack and Mango.	Training will be conducted shortly																	
4.3		Conduct a campaign on mango fruit fly management at appropriate time	Conducted live TV and Radio programmes on fruit fly management for large mass of farmers of Kanyakumari district																	
4.4		Joint diagnostic field visit involving ARS, HRS and Department of Agriculture to identify the problems in banana, ginger, pepper, clove, rubber and pineapple in Thiruvattar block	<p>Joint field visit involving scientists of KVK Thirupathisaram, ARS Thirupathisaram, HRS Pechiparai and Assistant Director of Agriculture, Thiruvattar was carried out in Andoor village of Thiruvattar block on 20.9.16. The following observations were recorded in the farmer's field and recommendations were given. The details is as follows</p> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Crop</th> <th>Diagnosis</th> <th>Recommendation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pineapple</td> <td>Heart rot and root rot</td> <td>Drenching of copper oxychloride @ 2g/lit Foliar spray of Carbendazim + Mancozeb @ 2g/lit</td> </tr> <tr> <td>2</td> <td>Ginger</td> <td>Rhizome rot</td> <td>Soil drenching with Metalaxyl + Mancozeb @ 2g/lit</td> </tr> <tr> <td>3</td> <td>Banana</td> <td>Sigato</td> <td>Foliar spray</td> </tr> </tbody> </table>	Sl. No	Crop	Diagnosis	Recommendation	1	Pineapple	Heart rot and root rot	Drenching of copper oxychloride @ 2g/lit Foliar spray of Carbendazim + Mancozeb @ 2g/lit	2	Ginger	Rhizome rot	Soil drenching with Metalaxyl + Mancozeb @ 2g/lit	3	Banana	Sigato	Foliar spray	
Sl. No	Crop	Diagnosis	Recommendation																	
1	Pineapple	Heart rot and root rot	Drenching of copper oxychloride @ 2g/lit Foliar spray of Carbendazim + Mancozeb @ 2g/lit																	
2	Ginger	Rhizome rot	Soil drenching with Metalaxyl + Mancozeb @ 2g/lit																	
3	Banana	Sigato	Foliar spray																	

					ka leaf spot	of Propiconazole 0.1% + Teepol 1 ml/lit	
			4	Banana	Micro nutrient deficiency	Foliar spray micronutrients viz., ZnSO ₄ (0.5%), FeSO ₄ (0.2%), CuSO ₄ (0.2%) and H ₃ BO ₃ (0.1%) at 3 rd , 5 th and 7 th MAP	
			5	Banana	Fusarium wilt	Soil drenching with Carbendazim 1g/lit	
4.5		Provide suitable management practice for spiral whitefly in Tapioca.	FLD on “Demonstration of package of practice for spiral white fly management in tapioca” is proposed for the year 2017-18				
4.6		Establish a permanent exhibition at KVK depicting all technologies for the benefit of farmers.					
4.7		Study on the impact of trainings for their effectiveness and adoption to be made.	The effectiveness of training and adoption are being documented.				
4.8		Officials from NABARD and Lead banks to be involved in all training programmes. They should be allowed to explain the Agriculture schemes available in their banks.	Officials from Lead bank participated in the Vocational training programme				
4.9		Awareness on ICT to be created among farmers during training programmes	Awareness on ICT in agriculture is imparted to trainees of all on campus trainings				
5.0		Quality seedlings of Marigold Hybrids to be sold to farmers.	Action will be taken in coordination with FRS, Thoivalai				
5.1		Prominent display boards of ICAR- KVK, Kanyakumari to be displayed near KVK campus and on the road side of National High-way (Nagercoil - Thirunelveli).	Display board has been erected				

5.2		More number of success stories to be documented and sent to UVV, AIR and TV on regular basis.	Documentation is under progress	
5.3		Farmers database have to be developed at KVK Kanyakumari.	Farmers database is being updated periodically	
5.4		Impact study on adoption of TPS5 rice variety with area coverage, yield, problems and adoption percentage etc. to be conducted.	Impact study on adoption of TPS5 rice variety is under progress	
5.5		Adoption of wild boar management technology developed by ICAR-KVK, Vellore after patenting to be adopted to manage the Wild boar problem in Kanyakumari District.	After patenting the wild boar management technology will be disseminated to farmers.	

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2017-18

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Soil Health Assessment Techniques	IISS, Bhopal	To learn skill on Advance Techniques in Soil Health Assessment
4.1.2	Post harvest technology of flower crops	IIHR, Bangalore	To update the knowledge
4.1.3	Crop management and post harvest technology of fruits and vegetables	IIHR, Bangalore CFTRI, Mysore	To update the knowledge
4.1.4	Integrated Pest and Disease Management	NCIPM, New Delhi	To update the knowledge
4.1.5	Advanced insect-pest management in agro-ecosystem	NIPHM, Hyderabad	To update the knowledge
4.1.6	Advanced Rice production technologies	DRR, Hyderabad	To update the knowledge
4.1.7	Documentation process	MANAGE, Hyderabad	KVK activities will be documented and reported with impact properly.

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, Virudhachalam, Dharmapuri, Salem, Tamil Nadu	Latest technologies in Farm mechanization, HI-tech production technology in Mango, IFS
4.2.2	Within the zone - KVK, Pattanamthitta, Kerala	Exposure Visit and study the value addition aspects of fruits and vegetables Exposure visit to study the coconut value added products
4.2.3	Outside zone – KVK, CTRI, Rajahmundry, Andhra Pradesh	Exposure visit to study the banana fiber extraction and by product utilization

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2017-18

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK, Aruppukottai	Skilled persons are available on forage and fodder cultivation	To get more information about green fodder and forage crops
5.2	KVK, Madurai	Farm mechanization	Latest technologies in Farm mechanization, Value addition in fruits and vegetables
5.3	KVK, Namakkal	Animal Husbandry activities	Demonstration units
5.4	KVK, Thoothukudi	Fisheries activities	Integrated farming System
5.5	KVK, Pattanamthitta	Value addition in fruits and vegetables	Trainings and demonstrations

6. Operational areas details proposed during 2017-18

S. No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (ha/no.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	Rice Sesame Pulses Mango	Heavy infestation of weeds, Improper usage of fertilizers, more pest and disease incidences in rice. Lack of rice variety to replace ASD16 for kanipoo Lack of alternate crop and variety for rice fallow condition Poor preservation in Mango	650 ha	Manavalakurichi, Vellisanthai Kannamangalam	FFS, OFT, FLD, Trainings and extension activities

6.2	Banana Groundnut Maize	Soil acidity, micro-nutrient deficiency, Sigatoga leaf spot and wilt disease, poor adoption of INM practices, poor preservation in banana Non-availability of high yielding Groundnut variety. Poor preservation in Banana. Poor adoption of ICM practices and lack of high yielding hybrid.	150 ha	Muthalakurichi Thiruvithangodu Aathivilai Appattuvillai	OFT, FLD, Trainings and extension activities
6.3	Tapioca Amaranthus	Lack of short duration variety, high incidence of Cassava mosaic virus, tuber rot and spiraling white fly incidence in tapioca. Lack of high yielding variety in <i>Amaranthus</i> .	1070 ha	Thovalai Boothapondi	OFT, FLD, Trainings and extension activities
6.4	Rice Fodder Brinjal Bhendi Cluster bean	Non adoption of proper weed management in rice Lack of quality fodder to the milch animals Improper usage of Fertilizers in Brinjal Non-availability of Bhendi hybrid Poor vegetable preservation	140 ha	Theroor Ramapuram Nalloor Agastheeswaram	OFT, FLD, Trainings and extension activities
6.5	Traditional Rice Coconut	Non adoption of ICM practices in traditional variety. Lack of quality fodder for animals	420 ha	Puthalam Neendakarai Parakkai	OFT, FLD, trainings and Extension activities

7. Technology Assessment during 2017-18

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1.	Black-gram	Low productivity (4q /ha) Lack of ideal variety for Kanyakumari district	Assessment of suitability of Blackgram variety KKM 1 in Kanyakumari District	TO1: T 9 (Farmers practice)	-	-	-	-	5	8800	1. Number of pods/plant 2. Yield (q/ha) 3. BCR	SMS (PBG) & Programme Coordinator
				TO2: VBN (BG) 6	TNAU, (2012)	Seeds	3 kg	420				
						Pulse wonder	1 kg	250				
				TO3: Blackgram KKM 1	TNAU (2017)	Seeds	3 kg	420				
						Pulse wonder	1 kg	250				
						<i>T. viride</i>	500 g	60				
				Field Board		1	300	Total				
7.2.	Sesame	Vagarious nature of monsoon causing crop losses very often. Farmers need alternate crops	Introduction of Sesame as an alternate crop in rice-fallow condition of Kanyakumari District	TO1: Blackgram (Local)	-	-	-	-	5	7800	1. Yield (q/ha) 2. Blackgram equivalent yield (q/ha) 3. BCR	SMS (PBG) & Programme Coordinator
				TO2: Blackgram [TNAU (Blackgram) VBN 6]	TNAU, CPG, 2011	Pulse wonder	1 kg	250				
						<i>T. viride</i>	½ kg	50				
				TO3: Sesame [TMV 7]	TNAU, CPG, 2011	Sesame seeds	2 kg	400				
						MnSO ₄	1 kg	30				
						ZnSO ₄	1 kg	50				
				TO4: Sesame SVPR1	TNAU, CPG, 2011	Sesame seeds	2 kg	400				
						MnSO ₄	1 kg	30				
						ZnSO ₄	1 kg	50				
						Field board	1No.	300				
Total			1560									

7.3	Banana	Sudden Plant mortality Considerable yield reduction (50 q/ha) Lack of awareness on the use of bio-control agents in disease management	Assessment of <i>Fusarium wilt</i> disease management in banana	TO 1: Uprooting and cutting of infected mother plants and allowing side sucker to grow	-	-	-	-	5	10250	1. Percent disease incidence 2. Yield (q/ha) 3. BCR	SMS (Pl. Pathology) & Programme Coordinator
				TO2: <i>P. fluorescens</i> liquid formulation @ 4 lit ha at 2 nd , 4 th and 6 th MAP. Apply press mud 5kg/plant	TNAU, 2013	<i>P. fluorescens</i> (Liquid)	2.5 lit	750				
				TO3: Soil application of <i>T.viride</i> NRCB 1 as rice chaffy grain formulation 10 g/plant basal + 2, 4, 6 th month (.).	NRCB 2010	<i>T.viride</i>	5 kg	1000				
						Field board	1 No	300				
						Total		2050				
				TO2: PLR 1 Amaranthus	(TNAU, 2013)	Seeds of var.PLR 1	500 g	250				
				TO3: Arka Samraksha	(IIHR, 2009)	Seeds of var. Samraksha	500 g	275				
Field board	1No.	100										
Total		725										
7.4	Mushroom	Poor yield and low consumer acceptance Muddy Taste Not suitable for rainy	Assessment of Milky Mushroom Varieties in Kanyakumari District	TO1: Milky mushroom-APK2 (<i>Calocybe indica</i>)	TNAU	Spawn	20 Nos	700	5	16500	1. Yield (kg/bed) 2. Biological efficiency % 3. No. of harvest	SMS (Pl. Pathology), SMS (FSN) & Programme Coordinator
						Bed covers	1Kg	150				
						Formaldehyde & Carbendazim	1 lit+ 250g	150				

		season		TO2: Milky mushroom-Bheema (<i>Calocybe gambosa</i>)	KAU	Spawn	20 Nos	700			4. Shelf life 5. BCR	
						Bed covers	1Kg	150				
						Formaldehyde & Carbendazim	1 lit+ 250g	150				
				TO3: Milky mushroom-IIHR Ca-1(<i>Calocybe Indica</i>)	IIHR	Spawn	20 Nos	700				
						Bed covers	1Kg	150				
						Formaldehyde & Carbendazim	1 lit+ 250g	150				
						Field board	1 No	300				
						Total		3300				
7.5	Rice	Under utilization of traditional rice varieties Therapeutic properties of traditional rice varieties not known	Assessment of glycemic index of traditional paddy varieties	TO1 – TPS3/CR1009 sub 1/CR1009	District specific traditional variety				3	10100	1. Consumer preference test, 2. Sensory evaluation, 3. pre and post prandial 4. Blood glucose level, 5. Recovery of flakes , 6. BCR	SMS (FSN) & Programme Coordinator
			TO2 – Kattisamba	Rice flakes		75g	1000					
			TO3 – Kochisamba	Estimate for available Carbohydrate		3 Samples	900					
						Glucometer and straps for Glucometer	1 No	4400				

8. Technology Refinement during 2017-18: Nil

9. Frontline Demonstrations during 2017-18

S. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
9.1.1	Cereals	Rice	Lack of alternate variety to ASD 16 Heavy infestation of weeds in rice fields due to no or improper usage of herbicide cause yield reduction (20-50%) Improper usage of fertilizers (DAP and Factomphos used upto flowering) increasing the cost of cultivation (Rs. 1000-3000)	Demonstration of ICM practices in puddled transplanted rice	Variety	TPS 5 seeds	TNAU, 2012	Pritilachlor	0.75 lit	500	10	19300	1. Plant height (cm) 2. No. of tillers/hill 3. No. grains/panicle 4. Yield (q/ha) 5. BCR	SMS (Pl. Pathology), SMS (PBG) & Programme Coordinator
								ZnSO ₄	10 kg	400				
								TPS 5 seeds	20 kg	480				
								<i>T.japonicum</i>	6 cc	150				
								<i>P.fluorescens</i>	1.0 kg	100				
								Field board	1 No.	300				
Total		1930												
9.1.2		Rice	Lack of alternate variety to ASD 16 Farmers are spending heavily (Rs. 8000-10000/ha) for repeated levelling after sowing to arrest the weeds. Heavy infestation of weeds in rice fields due to not using of herbicide, cause yield reduction (50-100%) Dominance of trailing	Demonstration of ICM practices in Dry seeded rainfed rice (with supplemental irrigation)	Variety	TPS 5 seeds	TNAU, 2015	Pendimethalin	1.25 lit	500	10	17600	1. Plant height (cm) 2. No. of tillers/hill 3. No. grains/panicle 4. Yield (kg/ha) 5. BCR	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
								TPS 5 seeds	40 kg	960				
								Field board	1 No.	300				
								Total		1760				

			weeds are not allowing combined harvesters to harvest the crop Improper usage of fertilizers (DAP and Factomphos usage upto flowering)											
9.1.3		Rice	Demand for traditional rice Low yield – 30 q/ha Potential Yield – 45 q/ha Yield Gap – 33 %	Demonstration of organic cultivation practices for traditional rice variety - Kattisamba	Variety	Kattisamba	TNAU CPG 2013	<i>Pseudomonas fluorescences</i>	2kg	200	10	15000	1. No. of Productive tillers/hill 2. Panicle length (cm) 3. No. of filled grains/panicle 4. Grain Yield (q/ha) 5. Straw Yield (q/ha) 6. BCR	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
							Azophos	4kg	400					
							<i>T. japonicum</i>	20cc	600					
							Field Board	1 No.	300					
							Total		1500					
9.1.5		Maize	Lack of high yielding hybrids Water scarcity Non adoption of IWM practices Heavy infestation of shoot fly	Demonstration of TNAU Maize Hybrid CO 6 with improved crop production technologies	Hybrid	Maize hybrid CO 6	TNAU, 2012	TNAU Maize hybrid CO 6 seed	8 kg	1600	10	30100	1. Cob weight (g) 2. Grain Yield (q/ha) 3. Stover Yield (q/ha) 4. BCR	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
							Fish meal trap	5 Nos	120					
							TNAU Maize Maxim	3 kg	990					
							Field Board	1 No.	300					
							Total		3010					
9.2	Millets													
9.3	Oilseeds													
9.4.1	Pulses													
9.5	Commercial crops													

9.6	Horticultural crops												
9.6.1	Tapioca	Long duration (300 days) Low yield (300q/ha) Susceptible to Cassava mosaic virus (100%)	Demonstration of short duration tapioca variety Hraswa	variety	Hraswa	KAU 2007	Setts of var.Hraswa Field board Total	1234 setts 1 No 917	617 300 917	10	9170	1. Days to first harvest 2. No. of clump/tuber 3. No. of tubers/plant 4. Tuber weight(kg) 5. Yield(q/ha) 6. Incidence of Cassava mosaic virus (%)	SMS (FSN), Farm Manager & Programme Coordinator
9.6.2	Tapioca	Low yield – 150q/ha against the potential yield of 200q/ha High Incidence of spiral whitefly (50%) Occurrence of Mosaic (75%) and non adoption of bio agents	Demonstration of package of practice for spiralling white fly management in tapioca	Local variety	Karielaiporiyan	TNAU, 2013	Yellow sticky trap <i>Verticillium lecanii</i> Field board Total	5nos. 1kg 1 No 950	250 400 300 950	10	9500	1.No.of sucking pests population/leaf 2.Population reduction (%) 3.Yield q/ha & BCR	SMS (Pl. Pathology), Prog. Asst. (Tech.) & Programme Coordinator
9.6.3	Bhendi	Low yield potential (86 q/ha as against 256 q/ha) Delayed days to 50% flowering Low fruit quality Incidence of Yellow vein mosaic virus (100%) Incidence of fruit borer (10%)	Demonstration of ICM in Bhendi hybrid Co-4	Hybrid	Bhendi hybrid Co-4	TNAU 2016	Bhendi hybrid C0-4 seeds <i>Vegetable special</i> <i>T. Chilonis</i> Field Board Total	1 kg 1kg 2cc 1 No. 2300	1500 360 140 300 2300	10	23000	1. Yield(q/ha) 2. Fruit quality viz., length, colour, fibre content, tenderness and size 3. Disease intensity(%) 4. Population/leaf of sucking pest(%)	SMS (Pl. Pathology), SMS (FSN) & Programme Coordinator

9.6.4		Amaranthus	Low foliage yield (30 q/ha) against potential foliage yield (110 q/ha) Lack of knowledge on Potential varieties Delayed days to first harvest (25 days) as against 20 days in variety Intercrop in between banana	Demonstration on PLR-1 Amaranthus in Banana based cropping system	Variety	PLR-1	TNAU 2014	Seeds of var. PLR 1	1kg	625	10	10450	1. No. of days to first harvest 2. Herbage yield q/ha 3. Rust occurrence (%) 4. BCR	SMS (FSN), Farm Manager & Programme Coordinator
								<i>P.florescense</i>	1kg	120				
								Field board	1 No	300				
								Total		1045				
9.6.5		Cluster bean	Low yield potential (70-80q/ha) Long duration 110 days Incidence of Powdery Mildew disease (28%)	Demonstration of ICM in cluster bean			TNAU 2015	Seeds of var. MDU-1	4 kg	3200	10	14200	1. No. of fruits/plant 2. Yield/plant(g) 3. Yield(q/ha) 4. Fruit length(cm) 5. Disease intensity(%) 6. Population / leaf of sucking pest	SMS (Pl. Pathology), SMS (FSN) & Programme Coordinator
								Bio fertilizers	2kg	100				
								Pulse wonder	1kg	220				
								Field Board	1 No.	100				
								Total		1420				
9.7.1	Fodder crops	Mixed fodder	Natural green fodder is not sufficient for cattle rearing. Farmers are interested to grow the cereal fodder grasses Sole fodder cultivation is not preferred by the farmers; willing to grow under Coconut Bajra Napier hybrid and Guinea grass performed better under Coconut	Demonstration of Cereals + legume fodder under Coconut gardens	Variety	Bajra Napier Hybrid & Guinea grass	TNAU	Bajra Napier Hybrid [Co (BN) 5]	700 Nos .	420	10	21200	1. Plant height (cm) 2. No. of tillers/hill 3. Green biomass Yield (q/ha) 4. BCR	SMS (FSN), Farm Manager & Programme Coordinator
								Guinea grass [Co (GG) 3]	800 Nos	800				
								Desmanthus seeds	1kg	600				
								Field board	1 No.	300				
								Total		2120				

9.8	Fisheries													
9.8.1		Fish	High micro nutrient malnutrition status among women and children. Higher risk of anemia and osteoporosis	Demonstration of Iron and Calcium fortified fish soup for addressing micronutrient malnutrition	-	-	CIFT	Soup powder	20g /demo	54/ dem o	30	4620	1. Pre and post hemoglobin content 2. Sensory evaluation	SMS (FSN), & Programme Coordinator
								Analysis cost	300 0/-	3,00 0/-				
9.9.2	Special Programme – Value addition in Mango (EDP mode)													

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

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/ FLD)	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Rice	Lack of alternate variety to ASD 16 Heavy infestation of weeds in rice fields due to no or improper usage of herbicide cause yield reduction	FLD	ICM practices in rice	3	60	SMS (Pl. Pathology), SMS (PBG) & Programme Coordinator
		Rice	Lack of alternate variety to ASD 16 Farmers are spending heavily (Rs. 8000-10000/ha) for repeated levelling after sowing to arrest the weeds. Heavy infestation of weeds in rice fields due to not using of herbicide, cause yield reduction	FLD	ICM practices in rice	3	60	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
		Sesame	Blackgram is the major crop grown during Rice-fallow condition (700 ha) Vagarious nature of monsoon causing crop losses very often Farmers need alternate crops Sesame was under cultivation (2 decades back), but due to better rainfall, it was gone out-off cultivation	OFT	ICM practices in Sesame	2	40	SMS (PBG) & Programme Coordinator

		Fodder	Natural green fodder is not sufficient for cattle rearing. Farmers are interested to grow the cereal fodder grasses Sole fodder cultivation is not preferred by the farmers	FLD	Fodder production technologies	3	60	SMS (FSN), Farm Manager & Programme Coordinator
		Black gram	Low productivity (4q /ha) Lack of ideal variety for Kanyakumari district KKM 1 is suitable for Rice fallow condition	OFT	ICM techniques for enhanced pulse production under rice fallow condition	2	40	SMS (PBG) & Programme Coordinator
		Maize	Lack of high yielding hybrids Water scarcity Non adoption of IWM practices Heavy infestation of shoot fly	FLD	Improved crop production techniques for TNAU Maize Hybrid CO 6	3	60	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
		Rice	Demand for traditional rice Low yield – 30 q/ha Potential Yield – 45 q/ha Yield Gap – 33 %	FLD	ICM Practices for traditional rice varieties under organic farming	2	40	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
10.2	Horticulture Production							
		Tapioca	Low yield – 150q/ha against the potential yield of 200q/ha High Incidence of spiral whitefly (50%) Occurrence of Mosaic (75%) and non adoption of bio agents	FLD	ICM practices in tapioca	1	20	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
		<i>Amaranthus</i>	Low foliage yield (30 q/ha) against potential foliage yield (110 q /ha) Delayed days to first harvest (25 days) as against 20 days in variety	FLD	High yielding varieties and package of practices in amaranthus	2	40	SMS (FSN), Farm Manager & Programme Coordinator
		Tapioca	Long duration(300 days) Low yield(300q/ha) Susceptible to Cassava Mosaic Virus (100%)	FLD	Short duration varieties of tapioca	2	40	SMS (FSN), Farm Manager & Programme Coordinator
					ICM practices in	1	20	SMS (FSN), Farm

					tapioca			Manager & Programme Coordinator
		Bhendi	Low yield potential(86 q/ha as against 256 q/ha) Delayed days to 50% flowering Low fruit quality in terms of length, colour, fibre content, tenderness and size Incidence of Yellow vein mosaic virus (100%) Incidence of fruit borer(10%)	FLD	Importance of high yielding hybrids	2	40	SMS (Pl. Pathology),SMS (FSN) & Programme Coordinator
				FLD	ICM practices in Bhendi	1	20	SMS (Pl. Pathology),SMS (FSN) & Programme Coordinator
		Cluster bean	Low yield potential (70-80q/ha) Long duration 110 days Incidence of Powdery Mildew disease (28%)	FLD	High yielding varieties &ICM practices	4	80	SMS (Pl. Pathology),SMS (FSN) & Programme Coordinator
10.3	Livestock Production							
10.4	Home Science							
		Rice	Under utilization of traditional rice varieties Therapeutic properties of traditional rice varieties not known	OFT	Importance of traditional rice in health concept	2	40	SMS (FSN) & Programme Coordinator
		Fish	High micro nutrient malnutrition status among women and children. Higher risk of anemia and osteoporosis	FLD	Preparation of Iron and Calcium fortified fish soup	2	40	SMS (FSN) & Programme Coordinator
10.5	Plant Protection	Banana	Sudden Plant mortality Considerable yield reduction (50 q/ha) Lack of awareness on the use of bio-control agents in disease management	OFT	IDM in banana	2	40	SMS (Pl. Pathology) & Programme Coordinator
		Tapioca	Low yield, High Incidence of spiral whitefly Occurrence of Mosaic and non adoption of bio agents	FLD	IPDM in tapioca	2	40	SMS (Pl. Pathology), Prog. Asst. (Tech.) & Programme Coordinator
10.6	Production of Inputs at Site							
10.7	Soil Health and Fertility							
10.8	PHT and value addition							

10.9	Capacity Building Group Dynamics						
10.10	Farm Mechanization						
10.11	Fisheries Production Technologies						
10.12	Mushroom production	Poor yield and low consumer acceptance Muddy Taste Not suitable for rainy season	OFT	Milky mushroom production technology	2 Nos	40	SMS (Pl. Pathology), Prog. Asst. (Tech.) & Programme Coordinator
10.13	Agro forestry						
10.14	Bee Keeping						
10.15	Sericulture						

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

11. Training for Rural Youth during 2017-18

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/Refinement/FLD)	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production							
		Maize	Lack of high yielding hybrids Water scarcity Heavy infestation of shoot fly		Hybrid seed production in Maize	1	20	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
		Fodder	Natural green fodder is not sufficient for cattle rearing. Farmers are interested to grow the cereal fodder grasses Sole fodder cultivation is not preferred by the farmers	FLD	Fodder seed production	1	20	SMS (FSN), Farm Manager & Programme Coordinator
11.2	Horticulture Production							
			Vegetable crops	General	Nursery production technologies	1	20	Farm Manager & Programme Coordinator
11.3	Livestock Production							
11.4	Home Science							
11.5	Plant	Biological	Less awareness in bio-agents and	General	Production of bio	1	20	SMS (Pl. Pathology) &

	Protection	control	biological control in crops		control agents and bio pesticides			Programme Coordinator
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition							
11.9	Capacity Building Group Dynamics							
11.10	Farm Mechanization							
11.11	Fisheries Production Technologies							
11.12	Mushroom production							
11.13	Agro forestry							
11.14	Bee Keeping							
11.15	Sericulture							
	Others, pl. specify							

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

12 .Trainings for Extension Personnel during 2017-18

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Improved crop production techniques for TNAU Maize Hybrid CO 6	1	30	SMS (PBG)
		Green fodder production	1	30	SMS (PBG)
12.2	Home Science				
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Hi-Tech production technology in Beans	1	30	SMS (Pl. Pathology)
		Unexploited leafy vegetables	1	30	SMS (FSN)
12.5	Livestock Production & Management				
12.6	Plant Protection	Newer generation fungicides in plant disease management	1	30	SMS (Pl. Pathology)
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				

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

13. Vocational trainings during 2017-16

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production	Seed Production techniques in rice	1 (5days)	Youth & women	15		SMS (PBG)
13.2	Home Science						
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Roof Top Gardening	1 (5days)	Youth & women	15		Farm Manager
13.5	Livestock Production & Management						
13.6	Plant Protection	Biocontrol agents & Biopesticides	1 (5 days)	Youth & women	15	-	SMS (Pl. Pathology)
13.7	Farm Mechanization						
13.8	Post harvest technology and value addition	Extraction of banana fibre and development of handicrafts	1 (5 days)	Youth & women	15		SMS (FSN)
		Development of value added products from pineapple	1 (5 days)	Youth & women	15		SMS (FSN)
13.9	Production of Inputs at Site						
13.10	Sericulture						
13.11	Fisheries						

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

14. Sponsored 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	Names of the team members involved
14.1	Crop Production						
14.2	Home Science						
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture						
		Advanced production and processing techniques of cashew	1 (3 days)	Youth	50	Directorate of Cashew and Cocoa Development	SMS (Pl. Pathology) & SMS (FSN)
14.5	Livestock Production & Management						
14.6	Plant Protection						
14.7	Farm Mechanization						
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

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

15. Extension programmes during 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	120	150	All SMS, Programme Coordinator
15.2	Diagnostic visits	25	45	”
15.3	Field Day	18	500	”
15.4	Group discussions	4	80	”
15.5	Kisan Ghosthi	1	100	”
15.6	Film Show	30	125	”
15.7	Self -help groups	3	60	”
15.8	Kisan Mela	2	100	”
15.9	Exhibition	1	75	”
15.10	Scientists' visit to farmers field	18	45	”
15.11	Plant/Soil health/Animal health camps	2	150	”
15.12	Farm Science Club	2	30	”
15.13	Ex-trainees Sammelan	2	22	”
15.14	Farmers' seminar/workshop	--	--	”
15.15	Method Demonstrations	45	740	”
15.16	Celebration of important days	--	--	”
15.17	Special day celebration	-	-	”
15.18	Exposure visits	2	40	”
15.19	Technology week	--	--	”
15.20	FFS	1	25	”
15.21	Farm innovators meet	--	--	”
15.22	Awareness programs	2	100	”
	Others, pl. specify	--	--	”

16. Activities proposed as Knowledge and Resource Centre during 2017-18

16.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria	Model fodder unit	0.05 ha	SMS (PBG)
16.1.2	Demonstration Units	Methods of planting and varieties of rice	0.6 ha	SMS (PBG)
		Hi-density planting and varieties in mango(choice varieties Alphonso, Banganapalli and Himampasand)	0.4 ha	Farm Manager
		Hi-density planting in Sapota var.PKM-1	0.4 ha	Farm Manager
		IFS unit	0.05ha	Farm Manager
		Mushroom spawn	200 Pkts	SMS (Pl. Pathology) Prog. Asst. (Tech.)
16.1.3	Lab Analytical services	Soil, Water testing	210	Prog. Asst. (Tech.)
16.1.4	Technology Week			

16.2 Technological products

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (Qtl./ Number planned to be produced during 2017-18	Names of the team members involved
16.2.1	Seeds				
	Rice	-	TPS 5 variety	60 Qtl.	SMS (PBG) Farm Manager
16.2.2	Planting materials				
	Cumbu-Napier (CO-5)	-	Slips	50000 Cuttings	SMS (PBG) Farm Manager
	Guinea grass- slips	-	Slips	4000 Nos.	SMS (PBG) Farm Manager
	Mango & Sapota- Approached grafts	-	Grafts	350 grafts	Farm Manager
16.2.3	Bio-products				
	Coconut tonic	-	Coconut tonic	5000 Pockets	Farm Manager
	Mushroom spawn	-	Mushroom spawn	200 Pkts	SMS (Pl. Pathology) Prog. Asst. (Tech.)
16.2.4	Value added products				
	Pine apple	-	Pineapple squash	100 bottles	SMS (FSN)
	Papaya	-	Papaya squash	100 bottles	SMS (FSN)

	Mango	-	Mango squash	100 bottles	SMS (FSN)
	Banana	-	Banana flower pickle	100 bottles	SMS (FSN)
	Banana	-	Banana pseudostem pickle	100 bottles	SMS (FSN)

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	6	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
	Horticulture	5	SMS (Pl. Pathology) & Programme Coordinator
	Animal Husbandry	1	SMS (FSN)
	Fisheries		
	Agricultural Engineering		
	Sericulture		
	Others, pl. specify	IFS – 1	SMS (PBG), SMS (Pl. Pathology) & Programme Coordinator
16.3.2	Literature/publication	12	Programme Coordinator and All SMS
16.3.4	Electronic Media	2	Programme Coordinator, All SMS & Prog. Assistants
16.3.5	Kisan Mobile Advisory Services	50	Programme Coordinator, All SMS and Prog. Asst. (Comp.)
16.3.6	Information on centre/state sector schemes and service providers in the district.	Data to be collected from different agencies. Dec' 2017	All SMS

17. Additional Activities Planned during 2017-18: Nil

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2015 (Rs.in Lakh)	Receipts during 2015-16 (Rs.in Lakh) up to 29.2.2016	Expenditure incurred during 2015-16 (Rs.in Lakh) up to 29.2.2016	Closing balance as on 29.02.2016 (Rs.in Lakh)	Expected closing balance by 31.03.2016 (Including value of material in stock)

434945	290686	140299	585322	124800*
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18.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	Seed production –Rice (TPS – 5)	60 q	1,44,000.00	SMS (PBG) & Farm Manager
18.2.2	Fodder Bajra-Napier -hybrid setts	50,000 nos.	30,000.00	SMS (PBG) & Farm Manager
18.2.3	Fodder- Guinea grass- slips	4000 nos.	2,400.00	SMS (PBG) & Farm Manager
18.2.4	Mushroom cultivation and value addition - Paid training	50 participants	15,000.00	SMS (Pl. Pathology) & Prog. Asst. (Tech.)
18.2.5	Mushroom - Spawn production	200 packets	10,000.00	SMS (Pl. Pathology) & Prog. Asst. (Tech.)
18.2.6	Roof top gardening-Paid training	50 participants	15,000.00	Farm Manager
18.2.7	Mango & Sapota- Approached grafts- Nursery production	350 grafts	13,500.00	Farm Manager
18.2.8	Coconut tonic	250 lit.	12,500.00	Farm Manager

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

Sl.No.	Type	No.of samples to be analyzed	Names of the team members involved
19.1	Soil	200	Prog. Asst. (Tech.)
19.2	Water	10	Prog. Asst. (Tech.)
19.3	Others	--	--

20. E-linkage during 2017-18

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared		
	Management of acid soil	Dec, 2017	-
	System of rice intensification	Dec, 2017	-
20.2	Creation and maintenance of relevant database system for KVK	Dec, 2017	Farmers database
20.3	Any other (Please specify)		
20.4			

21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

S. No	Activities planned	Remarks if any
21.1	--Nil --	
21.2		

22. Innovative Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducting Farm Innovators meet in your district?	No
22.2	If Yes likely month of the meet	
22.3	Brief action plan in this regard	

23. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Rice seasons and varieties	Seed Production In Rice	Rs. 30000/-
23.2	System of Rice Intensification		
23.3	Selection of quality seed and seed treatment		
23.4	Seed production techniques in Rice		
23.5	Roguing in seed production plots		
23.6	Pest and Disease Management		
23.7	Harvest , drying and Seed processing		
23.8	Exposure visit to Seed Processing Unit		
23.9	Seed testing		
23.10	Different classes of seeds		

FARMERS FIELD SCHOOL ON ‘SEED PRODUCTION IN RICE’

1.	Season	:	Period: May 2017 to October 2018
2.	Periodicity of the session	:	One day/session
3.	Name of the village	:	Muthalakurichi
4.	Number of participants	:	25
5.	Name of the Facilitators	:	Dr. R.Latha, SMS (PBG) 1. Dr. K.Kavitha, SMS (Plant Pathology) 3. Dr. K. Ramakrishnan, Programme Coordinator Period: April 2016 to March 2017
6.	Area of the FFS field	:	1acre
7.	Name of the collaborator (<i>in whose field the FFS is to be laid</i>)	:	Mr. A.Krishnakumar Muthalakurichi
8.	Major problems in the FFS village relevant to the crop/enterprise	:	Lack of quality seeds, Lack of high yielding short duration rice varieties Lack of seed production technologies
9.	Objectives of the FFS	:	❖ To produce quality seed which is essential to harvest high yield ❖ To demonstrate the rice seed production technologies ❖ To increase the area of rice production with the new high yielding rice variety TPS 5.
10.	Guest Faculty to be involved	:	❖ Soil Science ❖ Agricultural Entomology ❖ Plant Pathology ❖ Agronomy ❖ Seed processing and certification officer

11. FFS Curriculum of Rice seed production – model:

Activity	Session-1	Session-2	Session-3
FA	Rice seasons and varieties	System of Rice Intensification	Selection of quality seed and seed treatment
LTE			
SS			
ST			
Others			

Activity	Session-4	Session-5	Session-6
FA	Seed production techniques in Rice	Roguing in seed production plots	Pest and Disease Management
LTE			
SS			
ST			
Others			

Activity	Session-7	Session-8	Session-9
FA	Harvest , drying and Seed processing	Exposure visit to Seed Processing Unit	Seed testing
LTE			
SS			
ST			
Others			

Activity	Session-10
FA	Different classes of seeds
LTE	
SS	
ST	
Others	

12. Budget breakup model:

S. No.	Item	Amount (Rs.)
1.	Refreshment @ Rs. 75 per trainee/sesssion (10 sessions)	18750
2.	Contingent expenditure, Banners and refreshment for inaugural function of FFS	1500
3.	Distribution of training materials and demonstration materials	4250
4.	Booklet preparation	2000
5.	Exposure visit to Seed Processing Unit	3500
	Total	30000

**24. Budget - Details of budget utilization (2016-17) up to 14 Mar'17
(Rs.)**

Sl. No.	Particulars	RE-2016-17	Expenditure up to 14.03.17
A.	<u>RECURRING CONTINGENCIES:</u>		
1	Pay & Allowances	9772000	10151454
2	Travelling Allowances	250000	188792
3	Contingencies	1073000	633331
	a Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	300000	146398
	b POL, repair of vehicles, tractor and equipments	200000	90083
	c Meals/refreshment for trainees (@Rs.75/day/trainee for residential and @ Rs.40/day/trainee for non-residential trainings)	70000	28680
	d Training material (need based materials and equipments for conducting the training)	25000	22783
	e Frontline demonstration	148000	135017
	f On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	75000	61334
	g Integrated Farming System (IFS)	30000	28728
	h Training of extension functionaries	25000	15256
	i Extension Activities	25000	24482
	j Farmers' Field School	30000	14715
	k EDP/Innovative activities	50000	15000
	l Soil & Water Testing & Issue of Soil of Soil Health Cards	50000	34622
	m Display Boards	10000	6800
	n Maintenance of building	25000	1563
	o Library (Purchase of Journal, Periodicals, News Paper and Magazines)	10000	7870
	TOTAL (A)	10797000	10973577
B.	<u>NON-RECURRING CONTINGENCIES</u>		
1	Equipments and Furniture		
	a Office Automation	300000	79333
	b Furniture & Fixtures	200000	0
2	Works		
3	Vehicle		
	a) 4 Wheeler (Replacement)	800000	
	TOTAL (B)	1300000	79333
C.	REVOLVING FUND	0	0
	GRAND TOTAL (A+B+C)	12395000	11052910

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

S. No.	Particulars	BE 2017-18 proposed (Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	12500000.00
25.1.2	Traveling allowances	200000.00
25.1.3	Contingencies	
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	100000.00
<i>B</i>	POL, repair of vehicles, tractor and equipments	150000.00
<i>C</i>	Meals/refreshment for trainees (ceiling uptoRs.40/day/trainee be maintained)	60000.00
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	60000.00
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	174140.00
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	53450.00
<i>G</i>	Training of extension functionaries	20000.00
<i>H</i>	Maintenance of buildings	25000.00
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	15000.00
<i>J</i>	Farmers field school	30000.00
<i>K</i>	Library	10000.00
<i>L</i>	Extension activities	50000.00
<i>M</i>	Special programme (Mango Value addition-EDP mode)	35000.00
25.1	TOTAL Recurring Contingencies	13482590.00
25.2	Non-Recurring Contingencies	
25.2.1	Works	
	Farmers hostel	5000000.00
	Spawn production lab	800000.00
	Compound wall cum fencing	3000000.00
	Vehicle shed	500000.00
	Storage godown	2500000.00
25.2.2	Vehicle	
	Tractor 42 HP	800000.00
	Power tiller	200000.00
25.2.3	Farm Equipments	50000.00
25.2.4	Office	
	Generator 15 KV	300000.00
25.2.5	Farm Development	
	Road formation	500000.00
25.2	TOTAL Non-Recurring Contingencies	13650000.00
25.3	REVOLVING FUND	0
25.4	GRAND TOTAL	27132590.00