ICAR-Agricultural Technology Application Research Institute, BANGALORE

PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2017-18

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	Krishi Vigyan Kendra, Dakshina Kannada, Kankanady Post, Mangalore-575002, Phone: 0824-2431872, Fax: 0824-2430060, e-mail: kvkdk@rediffmail.com
1.2	Name and address of host organization	:	Karnataka Veterinary Animal & Fisheries Science University, Nandinagar, P.B. No. 6, Bidar-585401, Phone No. 91-08482-245264, e-mail: vckvafsu@yahoo.co.in, dekvafsu@gmail.com
1.3	Year of sanction	:	2004
1.4	Website address of KVK and date of last update		www.kvkdk.org. February-2017

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Current Grade Pay		
2.1	Programme Coordinator	Dr. Shivakumar Magada	Fisheries	37400-67000	10000	01.04.2016	-
2.2	Subject Matter Specialist	Dr. Rashmi L.	Veterinary Sci.	15600-39100	6000	13.06.2016	-
2.3	Subject Matter Specialist	Mr. Harish Shenoy	Agronomy	15600-39100	6000	11.11.2010	-
2.4	Subject Matter Specialist	Dr. T.S. Annappaswamy	Fisheries	-	-	17.05.2012	24000/-
2.5	Subject Matter Specialist	Mr. Patil Ravindra Sanganagouda	Horticulture	-	-	05.01.2015	23000/-
2.6	Subject Matter Specialist	Ms. Rashmi S.	Plant Protection	-	-	12.08.2016	23000/-
2.7	Subject Matter Specialist	Vacant	Soil Science	-	-	-	-
2.8	Programme Assistant	Ms. Bhagyashree R.C.	-	-	-	18.12.2012	13300/-
2.9	Computer Programmer	Mr. Sathisha Naik K	-	9300-34800	4200	24.01.2011	-
2.10	Farm Manager	Vacant	-	-	-	-	-
2.11	Accountant/Superintendent	Mr. Seetharam	-	-	-	26.08.2014	15900/-
2.12	Stenographer	Ms. Deepa	-	-	-	02.11.2011	15900/-
2.13	Driver 1	Mr. Somashekharaiah S.M.	-	-	-	26.09.2014	14450/-
2.14	Driver 2	Mr. Keshava	-	-	-	25.05.2010	11500/-
2.15	Supporting staff 1	Mr. Ashwith Kumar	-	-	-	21.10.2011	10300/-
2.16	Supporting staff 2	Mrs. Vidyavathi	-	-	-	25.04.2012	9500/-

3. Details of SAC meeting conducted during 2016-17 : Not Conducted

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2017-18
3.1	-	-	-	-

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	Agronomy	IGFRI JHANSI CAFT,TNAU Coimbatore	To upgrade the knowledge on fodder crops and dissemination to Extension workers and farmers To upgrade the knowledge on Pulses production Technology and dissemination to Extension workers and farmers
4.1.2	Fisheries	NFDB, Hyderabad CIBA, Chennai CMFRI, Cochin	To upgrade the knowledge on Fisheries Extension activities To upgrade the knowledge on brackish water aquaculture To upgrade the knowledge about ornamental fish breeding and rearing
4.1.3	Soil Science	NBSS & LUP, Bengaluru	Soil Sampling soil characterization, remote sensing based soil characters studies
4.1.4	Plant Protection	NBAIR, Bangalore,/ CPCRI Kasaragod	To upgrade the knowledge on new technologies on plant protection for training the farmers
4.1.5	Horticulture	IIHR, Bangalore CPCRI, Vitla	Upgrade the knowledge on new technologies of horticultural crops and plantation crops for training the farmers
4.1.6	Programme Assistant	IRSA, Hyderabad	Upgrade the knowledge on Precision Farming and GIS technologies for training the farmers
4.1.7	Computer Programmer	IIM, Bangalore	Up gradation and to get acquaint with Data processing and analysis.
4.1.1	Balance nutrition to animals.	National Institute for Animal Nutrition and Physiology, Banglore.	To update information about new technologies in feeding of aniamls.

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, Brahmavar KVK, Sirsi KVK, Hassan KVK, Kodagu KVK Gulbarga KVK Namakkal	Paddy and Fodder crops Banana, Plantation crops and Pepper technologies Integrated farming systems, fodder crops, minor millets , vegetables Animal Components, Horticulture crops Pulse production technology Animal Science Technology
4.2.2	**Within the zone -**	KVK, Kasargod (Kerala) KVK, Kannur (Kerala) KVK, Pathanthitta (Kerala) KVK, Namakal KVK Goa	Fodder crops, plantation crops paddy. Value addition, Vermi composting, Value addition and Mushroom cultivation KVK Mall concept , Marketing system of value added products, Mechanisation in paddy, commodity group formation, Empowerment of SHG groups Animal Science technology New technologies in pig and goat production.
4.2.3	**Outside zone -**	KVK, Baramathi (Maharashtra) KVK, Babaleswar(Maharashtra)	Floriculture vegetable/ green house cultivation Plantation crop production technologies and Horticulture crops

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, Brahmavara	Expertise on mechanization of paddy weed management, expertise on Horticultural crops and Fisheries animal component and poultry information and other activities related to Zone -10	Fodder crops technology, Paddy production technology, Production of Horticultural crops
5.2	KVK, Chikkmagalur	Expertise on Fisheries, animal components and poultry as supplemental food security	Exchange and sharing of knowledge on plantation crops for better implementation of KVK Activities.
5.3	KVK, Kasargod	-do-	Expertise on vermicompost, Mushroom cultivation and organic farming
5.4	KVK, Kodagu	-do-	Value addition/Piggery & Dairy & Horticulture crops.
5.5	KVK, Davanagere	Expertise on Value addition to Jackfruit and Cashew Apple	Expertise on fisheries paddy, plantation crops

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	Paddy	Scarcity of labor for farm operations, Non adoption of scientific cultivation practices (ICM) and IPM Practices	Common problems in the District 28600 ha.	Kaliya , Bantwal	FLD, Training, Method Demonstration, Group Discussion, Field Visits, Field day
6.2	Sesamum	Low yield with local varieties, Non adoption of Scientific cultivation practices.	364 ha	Kajoor	FLD, Training, Method Demonstration, Group Discussion, Field Visits, Field day
6.3	Coconut	Pest Management	18467 ha.	Thokkottu	FLD, Training, Group Discussion, Field Visits, Field day,
6.4	Greengram	Non availability of improved varieties and non adoption of cultivation practices Underutilization of paddy fallows and residual soil moisture	768 ha.	Naravi Kuthlur, Tenkamijar	Training, Group Discussion, Field Visits, Field day
6.5	Ginger	Use of local varieties and less dry Yield recovery	234 ha.	Kajoor	FLD, Training, Group Discussion, Field Visits, Field day,
6.6	Vegetables Yard long bean	Low yielding of local variety and susceptibility to pest and disease	40 ha.	Bantwal	FLD, Training, Group Discussion, Field Visits, Field day,
6.7	Okra	Low yielding of local variety and susceptibility to pest and disease	176 ha.	Mudubidre	FLD, Training, Group Discussion, Field Visits, Field day,

6.8	Pepper	Low yield due to spick shedding Low yield due to quick wilt incidence and poor crop management practices	2736 ha.	Puttur Nerumarga	FLD, Training, Group Discussion, Field Visits, Field day
6.9	Jasmine	Low yield during off season and high incidence of pests and diseases	101 ha.	Yakkar	OFT, Training, Group Discussion, Field Visits, Field day,
6.10	Jasmine	Pest and disease management	101 ha.	Ganjimatta	FLD, Training, Group Discussion, Field Visits, Field day,
6.11	Fisheries	No awareness on composite fish culture. Utilization of poultry waste for fish culture is not known to the farmers Scarcity in production and supply of ornamental fish	80 %	Mangaluru, Bantwal Belthangady, Puttur Sullia	FLD, Trainings, Group Discussion, Field Visits, Field day,
6.12	Poultry	Low income due to rearing of low yielding back yard poultry.	60%	Sullia, Puttur, Arekala, Pavur, Gurupura	FLD, Training, Field visits, Field day.
6.13	Dairy	Imbalance nutrition leading to poor body condition and low milk yield.	50%	Arekala, Neerumarga, Kulashekara.	FLD, Training .
6.14	Piggery	Incidence High mortality in new born piglets.	80%	Mangaluru	FLD, FFS, Fled visits, Training.

* Support with problem-cause and interventions diagram

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	Jasmine	Low yield during off season and high incidence of pests and diseases	Assessment of Pruning time in Udupi Jasmine	T1: Pruning of dead and diseased branches only INM: use of ground nut cake and FYM 10 to 20 kg per plant.	Farmers' practice	-	-	-	05	11400.00	No. of Flowers/plant, 100 flower weight (g), yield (t/ha) and B:C	SMS-Horticulture and plant protection
				T2: Time of Pruning November at a height of 50 cm from ground level INM : (FYM 10 kg/ plant) RDF 120:240:240 g/plant in two splits Foliar spray of micro **nutrient ZnSO4 0.25% + MgSO4 0.5% + FeSO4 0.5%**	TNAU, Coimbatore	Micro nutrients $ZnSO_4$ $MgSO_4$ and $FeSO_4$	0.5 kg	550				
						Secateurs	1 No.	280				
						Neem cake	50 kg	750				
				T3: Time of Pruning: Mid December, at a height of 90 cm from ground level INM : (FYM 10 kg/plant) RDF 100:150:100 N: **P2O5:K2O** g/plant in 3 split doses	IIHR, Bangaluru	Soil test	1	200				
						Display board	1	500				
						Total		**2280**				
				T4: Time of Pruning : January, at a height of 60 cm from ground level INM : (FYM 20 kg/ plant) RDF 120:240:240 N: P2O5:K2O g/plant in six splits	UHS, Bhagalkot							

7.2	Fisheries	Seasonal water bodies, Indian major carps need long time to reach marketable size. Amur carp is fast growing and suitable for seasonal water bodies.	Assessment of growth performance of Amur carp with catla and rohu	1 Culture of catla and common carp (5:5)	Farmer practice	-	-	-	03	30000.00	Growth, Yield and B: C Ratio	SMS – Fisheries, Programme Coordinator & SMS Extension (Veterinary Science)
				2. Composite culture of catla, rohu and common carp (4:3:3)	UAS(B)	Fish seed (catla, rohu, Common carp)	500 No.	2000				
						Fish feed	40 kg	2400				
						Display board	1	500				
						Water sample	1	100				
				3 Composite culture of catla, rohu and amur carp (3:3:4)	KVAFSU, Bidar	Fish seed (catla, rohu, Amur carp)	500 No.	2000				
						Fish feed	40 kg	2400				
						Display board	1	500				
						Water sample	1	100				
						Total		**10000**				
						OFT Grand Total			**07**	**41400.00**		

8. Technology Refinementduring 2017-18: Nil

S.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention(Rs.)	Parameters to be studied	Team members
8.1	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-
	-	-	-	4	-	-	-	-	-	-	-	-
8.2	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-
8.3	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-

9. Frontline Demonstrations during 2017-18

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
9.1	Cereals	Paddy	Low yield due to non adoption of scientific cultivation practices.	ICM in Paddy	variety	MO-4	UAS (B)	Znso4	8 kg	480	10	25000	Yield and yield attributing characters Economics and BC ratio	SMS Agronomy Plant protection
								PSB	1kg	120				
								Bio fertilizers	1kg	100				
								Seed treatment chemical	100g	100				
								PP chemical	3 nos	500				
								Dolomite	100 kg	700				
								soiltest	1	200				
								Display Board	1	300				
									Total	**2500**				
		Paddy	Labor scarcity and weed problem	Introduction of power operated paddy weeder	-	-	UAHS Shimoga	Power weeder	-	30000	10	30000	Yield and yield attributing characters Economics and BC ratio, labor saving	SMS Agronomy Plant protection
								Total		**30000**				
9.2	Millets	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3	Oilseeds	Sesamum	Low yield due to local varieties	ICM in sesamum	variety	GT-1	UAS Bangaluru	Seeds	2.0	500	10	22000	Yield and yield attributing characters Economics and BC ratio labor saving	SMS Agronomy Plant protection
								Dolomite	100 kg	700				
								Seed treatment Agimycin	100 g	200				
								PPC	2 Nos	300				
								Soil test	1	200				
								Display Board	1	300				
									Total	**2200**				

9.4	Pulses	-	-	-	-	-	-	-	-	-	-	-	-
9.5	Commercial crops	-	-	-	-	-	-	-	-	-	-	-	-
9.6	Horticultural crops	Ginger	Use of local varieties and less dry recovery, Non availability of High yielding Ginger variety	Introduction of High yielding Ginger variety	Variety	IISR Vardha	IISR, Calicut	Seed rhizome IISR Varada	100 kg	8000	3	28200	Plant height, No. of tillers/pl, Fresh yield (t/ha), Dry yield (t/ha) & B:C ratio	SMS-Horticulture and plant protection
								Seed treatment with Mancozeb (0.3%) Quinalphos (0.075%)	500 g	250				
									250 ml	150				
								IISR Ginger mix	10	300				
								Display Boards	1	500				
								Soil sample	1	200				
								Total		**9400**				
		Yard long bean	Low yielding local variety and susceptibility to pest and diseases	Introduction of High yielding cowpea variety Arka Mangala	Variety	Arka Mangala	IIHR (B)	Seeds	1 kg	1200	5	14250	Pod length, Yield (q/ha), B:C ratio	SMS Horticulture and Plant protection
								Urea	5	35				
								Rock phosphate	15	150				
								MOP	12	225				
								Rhizobium	100 gm	40				
								PP chemical	2 No	500				
								Display Boards	1	500				
								Soil sample	1	200				
									Total	**2850**				

		Okra	Low yield due to improper Seed treatment and application of nutrients, pest and disease management practices. Due to yellow vein mosaic -50-60%yield loss. There is a great demand for local variety bhendi	Integrated crop Management in Okra	Variety	Halubendi (Local)	UHS, Bagalkot	Seeds	300 gm	450	5	20625	Pod length, Yield (t/ha), B:C ratio	SMS Horticulture and Plant protection
								Urea	25	175				
								Rock phosphate	15	150				
								MOP	13	250				
								Neem cake	100 gm	1800				
								Imidacloprid	50ml	100				
								PP chemical	2 No	500				
								Display Boards	1	500				
								Soil sample	1	200				
									Total	**4125**				
		Coconut	Black headed caterpillar and Rhinoceros beetle infestation	Integrated Pest Management in Coconut	Variety	Local	UHS, Bagalkot	*Goniozus nephantidis*	1000 no.	1000	100 Palms	29000	Black headed caterpillar and Rhinoceros beetle infestation Pest incidence, total yield (kg/ha) yield /palm and B:C ratio.	SMS-Plant Protection and Horticulture
								Pheromone trap and lure	2 No.	2500				
								Metarhizium anisoplae	2.5kg	1500				
								Chlorpyriphos 20 EC @ 2ml/ liters	100 ml	100				
								Display Boards	1	500				
								Soil sample	1	200				
									Total	**5800**				
		Jasmine	Low yield due to white fly and cercospora leaf spot	IPDM in Jasmine	Variety	Udupi mallige	UHS, Bagalkot	Trichoderma	2kg	340	05	7400	Pest and Disease Incidence, total yield (kg/ha) yield /plant and B:C ratio	SMS-Plant Protection and Horticulture
								Carbendazim	100g	240				
								Triazophos 40% EC	200 ml	200				
								Display board	1	500				
								Soil sample	1	200				
									Total	**1480**				

		Pepper	Lack of knowledge on disease management practices and scientific Bordeaux mixture preparation	Integrated Crop management in Pepper	Variety	Local	IISR, Calicut	Copper Sulphate	5Kg	1200	05	47550	Spike length, Percent disease incidence, yield and B : C ratio	SMS-Plant Protection and Horticulture
								Lime	5Kg	250				
								Trichoderma	5Kg	1000				
								Pepper special	10 kg	3000				
								Arka microbial consortium	42 Kg	3360				
								Display Board	1	500				
								Soil sample	1	200				
									Total	**9510**				
9.7	Livestock	Poultry	Low income due to rearing of low yielding back yard poultry.	Rearing of color broilers.	Variety	Color broiler (Raja- 2)	KVAFSU	21 Day old chicks (200)	50	4000	04	18000	Yeild and BC ratio.	Extension veterinary science, Fisheries and PC
								Display board	1	500				
									Total	**4500**				
		Cow	Imbalance nutrition leading to poor body condition and low milk yield.	Effect of area specific mineral mixture on the productive performance of milch animals.	variety	Crossbreed	NIANP KVAFSU	Area specific mineral mixture	15kg (3 cows for 90 days)	1050	05	8050	Milk yield before and 90 days after feeding of mineral mixture.	Extension veterinary science, Fisheries and PC
								Deworming	Once 3 months	60				
								Display boards	1	500				
									Total	**1610**				

		Pig	Increase mortality in new born piglets..	Iron and other micronutrients and deworming to reduce piglet mortality.	variety	Crossbreed	KVAFSU	Iron , vitamins, minerals and deworming medicines	100 mg iron, Dewrming and vitamins, minerals	1500	3 (90 animals)	6000	Percentage decrease in mortality	Extension veterinary science, Fisheries and PC
								Display boards	1	500				
									Total	**2000**				
9.8		Fisheries	Lack of knowledge on utilisation of poultry manure as fertilizer for fish culture	Integration of poultry with fish farming	Variety	Carps (Catla, Rohu, Common carp, grass carp) and Swarnadhara Poultry birds	KVAFSU, Bidar	Fish seed	1000 No.	4000	3	21000	Growth, yield and B: C ratio	SMS (Fisheries), Programme Coordinator and SMS (Extension – Veterinary Science)
								Swarnadhara poultry birds	30 No.	2400				
								Display board	1 No.	500				
								Water sample	1 No.	100				
									Total	**7000**				
9.9	Others	-	-	-	-	-	-		-	-	-		-	-
									Grand Total		**68**	**277075**		

10 Training for Farmers/ Farm Women during 2017-18

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Paddy	Low yield due to non adoption of scientific cultivation practices.	FLD-ICM in Padddy	Improved cultivation practices in paddy	01	25	SMS Agronomy and Plant Protection
		Sesamum	Low yield due to Local variety	FLD- ICM in sesamum	Improved cultivation practices in sesamum	01	25	SMS Agronomy and Plant Protection

10.2	Horticulture Production	Jasmine	Low yield during off season and high incidence of pests and diseases	OFT on Assessment of Pruning time in Udupi Jasmine	Assessment of Pruning time in Udupi Jasmine	01	25	SMS –Horticulture and Plant Protection
		Ginger	Use of local varieties and less dry recovery ,Non availability of High yielding Ginger variety	FLD on Introduction of High yielding Ginger variety	Introduction of high yielding variety of ginger	01	25	SMS –Horticulture and Plant Protection
		Yard long bean	Low yielding local variety and susceptibility to pest and diseases	FLD on Introduction of High yielding Yard long bean variety Arka Mangala	Improved cultivation Practices of Yard long bean variety Arka Mangala	01	25	SMS –Horticulture and Plant Protection
		Black Pepper	Spike shedding / spike droping results to low yield and foliar spray management	FLD on ICM in black pepper	Improved cultivation Practices of black pepper	01	25	SMS –Horticulture and Plant protection
		Okra	Low yield due to improper Seed treatment and application of nutrients, pest and disease management practices. Due to yellow vein mosaic -50-60%yield loss. There is a great demand for local variety Okra	FLD on ICM in Okra	Improved cultivation Practices of Okra	01	25	SMS –Horticulture and Plant protection
10.3	Livestock Production	Poultry	Rearing low yielding backyard variety poultry.	FLD	High yielding broiler farming.Rearing of Swarnadhara for nutritional security of farm community. Value addition of chicken meat.	5	25	Extension veterinary science, Fisheries and PC
		Piggery	Increase mortality in new born piglets.	FLD, FFS	Scientific farming of breeding pigs. Value addition of Pork.	2	25	Extension veterinary science, Fisheries and PC

		Goatery	Poor growth due to zero input rearing.	-	Scientific goat farming in coastal region.	2	25	Extension veterinary science, Fisheries and PC
		Cattle	Imbalance nutrition leading to poor body condition and low milk yield.	FLD	Balanced nutrition to increase milk yield	3	25	Extension veterinary science, Fisheries and PC
10.4	Home Science	-	-	-	-	-	-	-
10.5	Plant Protection	Pepper	Heavy infestation and low yield due to wilt	FLD on ICM in Pepper	Management of Quick wilt of Pepper	01	25	SMS Plant Protection and Horticulture
		Coconut	low yield due to pest and disease incidence	FLD on IPM in Coconut	Pest management in coconut	01	25	SMS Plant Protection and Horticulture
		Jasmine	low yield due to pest and disease incidence	FLD on IPDM in Jasmine	IPDM in Jasmine	01	25	SMS Plant Protection and Horticulture
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	Paddy	Labor scarcity and weed problem	FLD- introduction of power operated weeder in paddy	1.Mechanisation in Paddy 2. weed management in Paddy	01 01	25 25	SMS Agronomy and plant protection
10.11	Fisheries Production Technologies	Fisheries	Low yield due to stocking of poor quality fish seeds, improper fertilization and feeding management.	FLD on Composite fish culture of Amur carp with catla and rohu	1.Composite fish culture of carps 2. Water quality and feeding management in fish culture	01 01	25 25	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.

		Fisheries	Lack of knowledge on utilisation of poultry manure as fertilizer for fish culture	FLD on Integration of poultry with fish farming	Integrated fish farming and its impact of livelihood of farmers	01	25	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.
		Fisheries	Scarcity in production and supply of ornamental fish	FLD on Ornamental fish production	Ornamental fish rearing Maintenance of Aquarium and its importance	01 01	25 25	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.
10.12	Mushroom production	-	-	-	-	-	-	-
10.13	Agro forestry	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10.14	Bee Keeping	**-**	-	-	-	-	-	-
10.15	Sericulture	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Others, pl. specify	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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

11. Trainingfor Rural Youth during 2017-18

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production	Natural resource management	Shortage of organic manure and lack of knowledge in composting	-	Advances of Compost Making	01	25	SMS Agronomy Plant Protection
11.2	Horticulture Production	Plant propagation techniques in horticulture crops	Lack of knowledge on plant propagation in horticultural crops.	Training Programme	Plant propagation techniques in horticulture crops	01	25	SMS –Horticulture

11.3	Livestock Production	Poultry	Rearing low yielding backyard variety poultry.	FLD	High yielding broiler farming. Rearing of Swarnadhara for nutritional security of farm community. Value addition of chicken meat.	01	25	Extension veterinary science, Fisheries and PC
		Piggery	Increase mortality in new born piglets.	FLD, FFS	Scientific farming of breeding pigs.	01	25	Extension veterinary science, Fisheries and PC
		Goatery	Poor growth due to zero input rearing.	-	Scientific goat farming in coastal region.	01	25	Extension veterinary science, Fisheries and PC
11.4	Home Science	-	-	-	-	-	-	-
11.5	Plant Protection	Field and horticulture crops	Low yield due to pest and disease incidence	Training	Integrated pest and disease management in field crops and horticulture crops	01	25	SMS –Plant protection, Agronomy and Horticulture
11.6	Production of Inputs at Site	Organic farming	Lack of awareness on Recycling of Organic wastes	-	Vermi composting	02	40	SMS Agronomy and Plant protection
11.7	Soil Health and Fertility	-	-	-	-	-	-	-
11.8	PHT and value addition	-	-	-	-	-	-	-
11.9	Capacity Building Group Dynamics	-	-	-	-	-	-	-
11.10	Farm Mechanization	Paddy	Scarcity of labour	Mechanization in paddy	Mat nursery technique Custom hiring services for self employment	01	20	SMS Agronomy, Plant Protection
11.11	Fisheries Production Technologies	Fisheries	Lack of knowledge on aquarium fabrication and breeding of ornamental fish	Ornamental fish rearing	Aquarium fabrication and maintenance, breeding and rearing of ornamental fish	02	40	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.
11.12	Mushroom production	Subsidiary enterprises	Lack of knowledge on Mushroom cultivation practices	-	Mushroom production technology	01	25	SMS Plant protection & Horticulture
11.13	Agro forestry	-	-	-	-	-	-	-

11.14	Bee Keeping	Subsidiary enterprises	Lack of knowledge on rearing	-	Rearing of honeybees	01	25	SMS Plant protection Horticulture
11.15	Sericulture	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Others, pl. specify	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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

12 Training 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	Advances in Rice Production Technology (ideotype , site specific nutrient management) 4R concept of Nutrient Management Vertical farming	01	25	SMS Agronomy & Plant protection
		Advances in fodder Crops production Technology and Low cost Hydrophonics	01	25	SMS Agronomy & Veterinary Science
12.2	Home Science	**-**	**-**	**-**	**-**
12.3	Capacity Building and Group Dynamics	Enhancement of Farmer's Income & welfare (KAPC)	06	150	SRF, PC, All SMSs, Field Assistant
12.4	Horticulture	Recent advances in Horticulture crops	01	25	SMS –Horticulture & Plant protection
12.5	Livestock Production & Management	Zoonotic disease	01	25	Extension veterinary science, Fisheries and PC
12.6	Plant Protection	Advances in Pest and Disease management practices in horticulture crops	01	25	SMS Plant Protection & Horticulture
		Diploma in Agriculture Extension for Input dealers (DAESI)	24	40	Programme Facilitator- DAESI, PC, All SMSs
12.7	Farm Mechanization	Recent Advances in paddy Mechanisation	01	20	SMS Agronomy and Plant Protection
12.8	PHT and value addition	**-**	**-**	**-**	**-**
12.9	Production of Inputs at Site	**-**	**-**	**-**	**-**
12.10	Sericulture	**-**	**-**	**-**	**-**
12.11	Fisheries	Polyculture of fish for food and nutritional security	01	20	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.

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

13. Vocational trainings during 2017-18

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production	Awareness programme on Agriculture	01(02 days)	High school and college Students	30	-	SMS Agronomy & Plant protection
13.2	Home Science	-	-	-	-	-	-
13.3	Capacity Building and Group Dynamics	Enhancement of Farmer's Income & welfare	06 days	SHG,s, School students, Farmers & Farmwomen, Youths	150	KAPC	SRF, PC, All SMSs, Field Assistant
13.4	Horticulture	Protected Cultivation of Horticulture crops	1(1 day)	Urban women	25	-	SMS Horticulture & Plant Protection
		Terrace garden	1(1 day)	Urban women	25	-	SMS Horticulture & Plant Protection
13.5	Livestock Production & Management	Prevention of rabies in children.	1	School children	30	-	Extension veterinary science. PC
13.6	Plant Protection	-	-	-	-	-	-
13.7	Farm Mechanization	-	-	-	-	-	-
13.8	PHT and value addition	-	-	-	-	-	-
13.9	Production of Inputs at Site	-	-	-	-	-	-
13.10	Sericulture	-	-	-	-	-	-
13.11	Fisheries	Aquarium fabrication and maintenance	3 (1 day)	SHG/ School Students/ youths	90	-	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.

* 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 Participants (SHGs, NYKs, School students, Women, Youth etc.)	Expected number of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production	Advances in Paddy Production Technology	01 (3 days)	Farmers facilitators	30	ATMA KSDA under Bhochetana programme	SMS Agronomy Plant protection
14.2	Home Science	Value addition to Fish	1 (3 days)	SHG.s, women, youth	30	NFDB, Hyderabad	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.
14.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
14.4	Horticulture	Cultivation and value addition of Cashew (DCCD, Cochin)	04(1day)	SHG, rural farmers and farm women's	100	DCCD Cochin	SMS Horticulture
		Friends of Coconut Tree	2(5 days)	Farmer youth's	60	CDB, Bengaluru	SMS Horticulture
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	Ornamental Fish Production and Marketing	2 (3 days)	Youths, Students	60	NFDB, Hyderabad MPEDA, Cochin	SMS -Fisheries, PC & SMS-Exn. Vet. Sci.

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

15. Extension programmes during 2017-18

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected numberof participants	Names of the team members involved
15.1	Advisory Services	300	650	PC and all Scientists
15.2	Diagnostic Visits	39	39	
15.3	Field Day	18	360	
15.4	Group Discussions	17	340	
15.5	KisanGosthi	2	100	
15.6	Film Show	14	310	
15.7	Self -Help Groups	3	100	
15.8	KisanMela	1	100	
15.9	Exhibition	6	50000	
15.10	Scientists' Visit to Farmers Field	120	250	
15.11	Plant/Soil Health/Animal Health Camps	6	120	
15.12	Farm Science Club	-	-	
15.13	Ex-Trainees Sammelan	5	100	
15.14	Farmers' Seminar/Workshop	8	160	
15.15	Method Demonstrations	14	260	
15.16	Celebration of Important Days	5	100	
15.17	Special Day Celebration	1	50	
15.18	Exposure Visits	10	200	
15.19	Technology Week,	1	20	
15.20	Farmers Field School (FFS)	1	25	
15.21	Farm Innovators Meet	1	20	
15.22	Awareness Programs	10	200	
	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	Demo units of fodder bank with improved technologies Demo unit of medicinal and aromatic plants Demo unit nutritional garden	0.02ha	SMS Agronomy, veterinary Horticulture & Plant Protection

16.1.2	Demonstration Units	Fodder Bank unit, Vermi compost unit, Dairy unit, Piggery unit, vegetable garden, Azolla unit, Poultry unit, Goat Unit, Fish seed rearing units, ornamental fish units,	1.0 ha	PC & All Scientists
16.1.3	Lab Analytical services	Soil analysis water analysis	500 100	SMS Soil Science and Training Assistant
16.1.4	Technology Week	Exhibition /Seminars/Demonstration units/Recent advances in Agriculture, Horticulture, Fisheries and Animal Husbandry	6 days	PC & All Scientists

16.2 Technological Products

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (q)/Number planned to be produced during 2017-18	Names of the team members involved
16.2.1	Seeds	-	MO-4 Paddy seeds	40.0q	SMS Agronomy and Plant Protection
			Vegetable seeds (Bhendi)	0.05 q	SMS Horticulture & Plant Protection
			Pulses	0.5 q	SMS Agronomy and Plant Protection
16.2.2	Planting materials	-	Fodder cuttings	1000 cuttings	SMS Agronomy and Veterinary Science
			Jasmine	1000 No.s	SMS Horticulture & Plant Protection
			Drumsticks	1000 No.s	
			Papaya	1000 No.s	
			Coconuts	500 No.s	
			Jackfruit	500 No.s	
16.2.3	Bio-products	-	Trichoderma Production	200 Kg.	SMS Plant Protection and Training Assistant
16.2.4	Livestock strains	-	Milk	20000	SMS Veterinary science
			Poultry	5000	SMS Veterinary science
			Piglets	80	SMS Veterinary science
16.2.5	Fish fingerlings	-	Fish seeds	200000	SMS (Fisheries), & PC
		-	Ornamental fish	10000	SMS (Fisheries), & PC

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments	-	-
	Agriculture	Inputs at Meetings, regular participation in Bimonthly/Trimonthly workshops Resource Person at Trainings organized by KSDA participation in Krishi mela, Diagnostic visits	PC & All Scientists
	Horticulture		
	Animal Husbandry	-	
	Fisheries	-	
	Agricultural Engineering	-	
	Sericulture	Agro advisory services	SMS Agronomy, plant protection
	Others, pl. specify	-	-
16.3.2	Literature/publication	Profitable paddy Cultivation Improved Cultivation practices in Sesamum Pulses production technology in coastal Karnataka New yard long bean cultivation Profitable Ginger cultivation Improved cultivation of Arecanut Improved cultivation of Coconut Improved cultivation of Okra Improved cultivation of Pepper Management of Koleroga in Arecanut Tricoderma in disease management Role of bioagents in plant disease management IPM in Horticulture crops Goat farming in coastal region Profitable Color Broiler production Scientific Rabbit farming. Zoonotic disease. Integration of poultry with fish farming Ornamental fish production and marketing Amur carp a new breed for fish culture Integration of pig with fish farming	PC & All Scientists
16.3.4	Electronic Media	Radio Talks will be delivered by the scientists regularly based on the season and crops	All Scientists
16.3.5	Kisan Mobile Advisory Services	Providing Data Base of farmers of Mangalore Taluk for receiving Market Price Information of Agriculture and Horticulture commodities daily update through SMS on Mobile	All Scientists
16.3.6	Information on centre/state sector schemes and service providers in the district.	The Data maintained on Service Providers of the District will be updated regularly and changes will be incorporated as and when occasion arises Information on center/state sector schemes from different agencies will be collected by Oct-2017	All Scientists

17. Additional Activities Planned during 2017-18

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	-	-	-	-	-

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2016 (Rs.in Lakh)	Expenditure incurred during 2016-17 (Rs.in Lakh)	Receipts during 2016-17 (Rs.in Lakh)	Closing balance as on 31.01.2017 (Rs.in Lakh)	Expected closing balance by 31.03.2017 (Including value of material in stock/ likely to be produced)
7.71	13.75	12.82	6.91	3.00

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	MO4 Paddy Seeds	40.0 q	72000.00	SMS Agronomy and Plant Protection
18.2.2	Pulses	0.5 q	4000.00	
18.2.3	Fodder cuttings	1000 cuttings	2000.00	SMS Agronomy and Veterinary Science
18.2.4	Bhendi Seeds	5 Kg.	2500.00	SMS Horticulture
18.2.5	Jasmine Seedlings	1000 No.s	5000.00	
18.2.6	Drumsticks	1000 No.s	5000.00	
18.2.7	Papaya	1000 No.s	7000.00	
18.2.8	Coconut	500 No.s	12500.00	
18.2.9	Jackfruit	500 Nos.	12500.00	
18.2.10	Trichoderma	150 Kg.	12000.00	SMS Plant Protection
18.2.11	Earth worms	5 Kg.	1500.00	SMS Soil Science
18.2.12	Milk	20000 Ltr.	70000.00	SMS Veterinary Science
18.2.13	Poultry	5000 No.s	80000.00	
18.2.14	Piglets	80 No.s	200000.00	
18.2.15	Fish seeds	200000 No.s	300000.0	SMS Fisheries
18.2.16	Ornamental fish	10000 No.s	30000.00	

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	**500**	SMS Soil Science and TA
19.2	Water	**250**	SMS Soil Science and TA
19.3	Plant	**-**	**-**
19.4	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	-	-
20.2	Creation and maintenance of relevant database system for KVK	Data bases have been prepared of KVK interventions farmers wise and village wise. Presently the data base is used for Kisan Mobile advisory services sending of Short Message Services regularly based on technology feedback provided by individual SMS. Time frame Dec-2017	Data base will be uploaded to website

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	Data base have been uploaded every month in online Reporting System	Data base will be uploaded to website

22. Innovator Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducing Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	December 2017
22.3	Brief action plan in this regard	The innovative farmers will be identified and KVK will provide the interface for knowledge sharing by providing a platform for an interactive meet with the invited scientists, extension personnel and progressive farmers.

23. Farmers Field School (FFS) planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.	
23.1	**Veterinary**	Scientific rearing of breeding pigs	**30000.00**	
	Topic: 1. Scientific rearing of Breeding Pig care of New born piglets. 2. Balanced nutrition for piglets, Pregnant sow and breeding pigs. 3. Identification of estrous and mating. 4. Disease and Vaccination. 5. Management of Parasitic infestations. 6. Meat cuts, Packaging and Value addition of pork.		**Budget details:**	
			Piglet purchase	10000.00
			Feed/ Exposure visit	4400.00
			FFS kit	5000.00
			Medicines	1000.00
			Training refreshments	5600.00
			Contingency	4000.00
			Total	**30000.00**

24. Budget - Details of budget utilization (2016-17) upto 31 January 2017

(Rs. In)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	5296000.00	5296000.00	3531345.00
24.1.2	**Traveling allowances**	150000.00	150000.00	231000.00
24.1.3	**Contingencies**			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	250000.00	250000.00	214000.00
B	POL, repair of vehicles, tractor and equipments	175000.00	175000.00	133000.00
C	Meals/refreshment for trainees	60000.00	60000.00	45000.00
D	Training material	50000.00	50000.00	38000.00
E	Frontline demonstration except oilseeds and pulses	189000.00	189000.00	166000.00
F	On farm testing	109000.00	109000.00	72000.00
G	Training of extension functionaries	30000.00	30000.00	25000.00
H	Maintenance of buildings	50000.00	50000.00	50000.00
I	Establishment of Soil, Plant & Water Testing Laboratory	50000.00	50000.00	33000.00
J	Library	10000.00	10000.00	9000.00
h	**Farmers field school**	30000.00	30000.00	20000.00
i	**Extension Activities**	40000.00	40000.00	31000.00
j	**Integrated Farming System(IFS)**	30000.00	30000.00	26000.00
k	**Display Board**	10000.00	10000.00	8000.00
24.1	**Total Recurring**	**6529000**	**6529000**	**4632345.00**
24.2	**Non-Recurring Contingencies**			
24.2.1	**Works**			
24.2.2	**Equipments including SWTL & Furniture**	100000.00	100000.00	100000.00
24.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
24.2.4	**Library**			
24.2	**Total Non Recurring**	100000.00	100000.00	100000.00
24.3	**REVOLVING FUND**	0.00	0.00	0.00
24.4	**GRAND TOTAL (A+B+C)**	**6629000.00**	**6629000.00**	**4732345.00**

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**		8000000.00
25.1.2	**Traveling allowances**		300000.00
25.1.3	**Contingencies**		0.00
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)		450000.00
B	POL, repair of vehicles, tractor and equipments		450000.00
C	Meals/refreshment for trainees (ceiling up to Rs.40/day/trainee be maintained)		150000.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)		150000.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)		277075.00
	NFSM (FLD)		30000.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)		41400.00
G	Training of extension functionaries		60000.00
H	Maintenance of buildings		500000.00
I	Establishment of Soil, Plant & Water Testing Laboratory		200000.00
J	Library		15000.00
K	Extension Activities		225000.00
L	Farmers Field School		30000.00
25.1	**TOTAL Recurring Contingencies**		**10878475.00**
25.2	**Non-Recurring Contingencies**		
25.2.1	**Works**		
a	Renovation of old dairy, piggery, Poultry sheds	2000000.00	**20500000.00**
b	Renovation Vermi Compost unit	400000.00	
c	Scientific Dairy Unit	1800000.00	
d	Scientific Poultry hatchery Unit	1200000.00	
e	Scientific piggery unit	900000.00	
f	Foot path provision for demo units	600000.00	
g	Construction of two fish ponds(1/2 acre each) with silpoline Line	1500000.00	
h	Provision for Roads and KVK Farm maintenance	800000.00	
i	Staff Quarters and Scientist guest house of 4 BHK with furniture	10000000.00	
j	Desilting of main drainage channels and sub channels in KVK Farm	300000.00	
k	Irrigation facility to upland area of the KVK Demo farm where Fodder Bank established	200000.00	
l	Concretization of the leveled area near office for conducting farmers functions(10,000 sft)	800000.00	

25.2.2	**Equipments including SWTL & Furniture**		
a	IT (Computers & its related accessories)-	500000.00	1200000.00
b	Digital copier cum network printer (Xerox) -	100000.00	
c	Farm Mechanization, weed cutter, farm Maintenance etc.-	600000.00	
25.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)		
a	Four wheeler	1000000.00	1200000.00
b	Two wheeler	200000.00	
25.2.4	**Library** (Purchase of assets like books & journals)		100000.00
25.2	**TOTAL Non-Recurring Contingencies**		2500000.00
25.3	**REVOLVING FUND**		0.00
25.4	**GRAND TOTAL**		**3,38,78,375.00**

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Programme Coordinator