ZONAL PROJECT DIRECTORATE - ZONE VIII
ICAR, HEBBAL, BANGALORE

ACTION PLAN 2016-17

ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	**Krishi Vigyan Kendra, College of Horticulture, Tamaka, Kolar 563 103** **Phone: 08152-240399, 9480696395, Fax: 08152-243208. Kvkkolar2012@gmail.com**
1.2	Name and address of host organization	:	**University of Horticultural Sciences, Udyangiri, Seemikeri cross, Navanagar, Bagalkot, 587 102**
1.3	Year of sanction	:	**December, 2012**
1.4	Website address of KVK and date of last update	:	-

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	Mr. K.Thulasi Ram	Entomology	37400-67000	9000	26.12.2012	Permanent
2.2	Subject Matter Specialist	Dr. Raghunathareddy R.L	Soil Science	15600-39100	6000	31.08.2015	Permanent
2.3	Subject Matter Specialist	Dr. Shashidhar,K.R.	Sericulture	15600-39100	6000	17.01.2014	Permanent
2.4	Subject Matter Specialist	Mr. Noorulla Haveri (SL)	Plant Pathology	15600-39100	6000	27.01.2014	Permanent
2.5	Subject Matter Specialist	Dr. Deepa Teradal	Home Science	15600-39100	6000	03.02.2014	Permanent
2.6	Subject Matter Specialist	Dr. Nagaraja K.S.	Horticulture	15600-39100	6000	05.11.2015	Permanent
2.7	Subject Matter Specialist	Vacant					
2.8	Programme Assistant(Lab Technician)	Dr. Santhosha H M		9300-34800	4200	06.03.2014	Permanent
2.9	Programme Assistant(Computers)	Mrs. C.S. Gnana Sudha		9300-34800	4200	27.01.2014	Permanent
2.10	Farm Manager	Mr. Umesha Naik		9300-34800	4200	03.03.2014	Permanent
2.11	Accountant/Superintendent (Assistant)	Mr. Ravi Shankar		16000-29600	--	22.03.2013	Permanent
2.12	Stenographer	Mrs. Savitri Rudrapur		20000-36300	--	12.03.2014	Permanent
2.13	Driver 1	Mr. Pradeep		Contract basis	--	01.08.2014	7198
2.14	Driver 2	Vacant					
2.15	Supporting staff 1(Gardener)	Mr. Srinivas D. Gasti		9600-14450	--	03.02.2014	Permanent
2.16	Supporting staff 2	Mr. Shivananda		Contract basis	--	11.02.2016	7165

3. Details of SAC meeting conducted during 2015-16

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2015-16
3.1				March-2016

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2016-17

Sl. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Intensive Bivoltine training	CSR & TI, Mysore	To promote bivoltine silkworm rearing
4.1.2	Technology for processing of fruits and vegetables	CFTRI, Mysore	To know about various processing technologies
4.1.3	A novel approach in production of fruit crops	KRCCH, Arabhavi	To promote improved cultivation aspect of fruit crops

4.2. Cross-learning across KVKs during 2016-17

Sl. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – Chintamani, Bengaluru Rural, Magadi	Improved technologies in Sericulture, floriculture and fruit crop production, women empowerment
4.2.2	Within the zone – KVK Namakkal	Animal husbandry and dairying
4.2.3	Outside zone -	--

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

Sl. No	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK, Chintamani	Improved Technology in horticultural crops	Improved technology in field crops and sericulture
5.2	KVK, Benguluru Rural	Improved Technology in horticultural crops	Improved technology in field crops, vegetables and sericulture, IFS, processing and value addition
5.3	KVK, Ramanagara	Improved Technology in horticultural crops	Improved technology in dry land agriculture
5.4	KVK, Hirehalli	Improved Technology in horticultural crops	Demonstration units, IFS, crop cafeteria etc.,

6. Operational areas details proposed during 2016-17

Sl. No	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
6.1	Ragi	Local varieties, low yields, blast and defoliators	60%	Madivala Abbenahalli	Front Line Demonstration
6.2	Red gram	Low yields, sterility mosaic virus and pest incidence	50%	Velagalaburri,Settymadamangala Balagere, Mullahalli	Front Line Demonstration
6.3	Groundnut	Local varieties, lack of awareness on bio fertilizers and micronutrients usage	50%	Bhudaderu, S.Anathapura	Front Line Demonstration
6.4	Horse gram	Low yields and traditional verities	80%	Meleri	Front Line Demonstration
6.5	Mango	Inadequate water conservation methods and micro nutrients application, low soil fertility, Improper management of pest and diseases	50%	Y.Hosahalli	Front Line Demonstration
6.6	Guava	Bronzing in leaves and fruits and low yield	80%	Kenchapura	Front Line Demonstration
6.7	Potato	Haulm development at cost of tuber, late blight, mite and defoliator problem	60%	Gumlapur	Front Line Demonstration
6.8	Tomato	Injudicious use of fertilizers and micro nutrient management	50%	Mallandahalli	Front Line Demonstration
6.9	Cauliflower	Micronutrient deficiency and disorders	30 %	Gandhinagara/Mindahalli	Front Line Demonstration
6.10	Sericulture	Injudicious use of chemical fertilizers, lack of awareness on bio fertilizers and micronutrients application & lack of awareness on use of silkworm growth promoters	80%	Mullahalli	Front Line Demonstration
6.11	Sericulture	Scarcity of water and low leaf yield	60%	Ankathatti/V. Hosahalli	Front Line Demonstration
6.12	Sericulture	Low cocoon price and poor quality silk	70%	Toraganadoddi	Front Line Demonstration
6.13	Home science	Low income realization due to lack of knowledge on value addition and branding of jack fruit	40%	Dasarahosalli	Front Line Demonstration
6.14	Home science	Malnutrition and nutritional Status of Adolescent girls	60%	Matnahalli	Front Line Demonstration

6.15	Cabbage	Severe incidence of DBM & indiscriminate use of pesticides	70%	Mindahalli	On Farm Testing
6.16	Sericulture	Assessment of irrigation systems for better WUE in mulberry	70%	Balagere	On Farm Testing
6.17	Sericulture	Unawareness of improved mounting methods leads to more defective cocoon, labour and time consuming	50%	Nadupalli	On Farm Testing
6.18	Home science	Drudgery, Time consuming and labour cost in weeding	50%	Vengasandra/Budadheru	On Farm Testing
6.19	Home science	Drudgery, Time consuming and labour cost in transplanting in tomato and capsicum	50%	Chadumanahalli	On Farm Testing

7. Technology Assessment during 2016-17

Sl. No.	Crop/ enterpr-ise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial (Rs)	No. of trials	Total cost for the Interventi-on (Rs.)	Parameters to be studied	Team members
7.1	Cabbage	Severe incidence of DBM & indiscriminate use of pesticides	Evaluation of various pest management practices in cabbage	TO1:Indescriminate use of pesticides	Farmer practice	-	-	-	03	-	DBM/plant Days to harvest Yield (tons/ha.)	PC, SMS (Hort.) Progra. Asst.
				TO2: Integrated pest management	IIHR (B)	Bt form. DBM traps DBM lures Novaluron Neem soap Indoxacarb Ema. Benzoate	100 gm 4 No. 16 No. 200 ml 2 Kg 200 ml 100 gm	250 350 320 700 FC 400 900 FC 900		6660		
				TO3: Polypropelene non-woven crop cover	Reliance polymers	Polypropelene non-woven crop cover	16 Kg	4500		13,500		
Total										**20160+1000(Name Board)=21160**		

Sl. 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
7.2	Sericulture	Decline in ground water resource and in situ water losses in mulberry garden	Assessment of irrigation system for better WUE in mulberry	TO1: farmers practice Drip lines between two rows	-	Drip lines			01	-	Quantum of irrigation water applied(ltr/ha) Frequency of irrigation(once in 3 days), Leaf yield(Q/Ha), Leaf moisture content and leaf moisture retention (%)	SMS (Seri) , PC & Prog. Asst (Lab)
				TO2: Micro-sprinklers	ITK	Micro-sprinkler						
				TO3: Sub-surface irrigation	UAS (B)	Subsurface						
							Total			**0.00**		

Sl. 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
7.3	Sericulture	More Defective cocoon, needs more time and labour	Assessment of different mountages for quality cocoon production	TO1: Bamboo chandrike	CSR & TI, Mysore	-	-	-	03	-	Cocooning percentage, Defective cocoon (%), Cocoon Yield (Kg/100 dfls), B : C ratio	SMS (Seri) & PC
				TO2: Plastic mountages	CSR & TI, Mysore	Plastic mountages	40	3000		9000		
				TO3: Swayandrike	KSSR & DI (B)	Swayandrike	10	-		-		
							Total			**9000 + 1000 (Name Board)=10,000**		

Sl.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
7.4	Home Science (Groundnut)	Drudgery	Improving Efficiency & Reduction in Drudgery of Farm Women in groundnut Weeding Activity by hand operated Twin Wheel & wheel Hoe weeder	TO1: Farmers practice Hand weeding	-	-	-	-	03	-	Labour cost and time saved & Yield,	SMS (H.Sci.) SMS (SS&AC)
				TO2: Herbicides Alachlor 1ltr	UAS(B)	Alachlor	150 ml	150		450		
				TO3: Hand weeding through operated Twin Wheel weeder & wheel Hoe weeder	UAS (R)	Hand operated Twin Wheel weeder	01	-		-		
						wheel Hoe weeder	01	-		-		
Total										**450+1000(Name Board)=1450**		
7.5	Home Science	Drudgery	Evaluation of transplanter in horticulture crops for increasing work efficiency and reducing Drudgery	TO1: Farmers practice Manual transplanting	--				02	6500		SMS (H.Sci.) SMS (SS&AC)
				TO2: Use of transplanter for tomato and capsicum(ITK)	(ITK)	Transplanter	1	3000				
				TO3: Use of transplanter in tomato and capsicum (ANGRAU,Telangana)	(ANGRAU, Telangana)	Transplanter	1	3500				
Total										**6500+1000(Board)=7500**		
Grand total										**40,110 = 00**		

9. Frontline Demonstrations during 2016-17

Sl. No	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technol-ogy	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	Ragi	Local varieties, low yields, blast and defoliator management and lack of awareness on biofertilizers	Introduction of new variety KMR-204, blast and defoliator management in Ragi	Variety	KMR-204	UAS(B)	Seeds *Azospirillum* Mancozeb Chloropyriphos	5 kg 200 g 200 g 1.0 ltr	250 50 100 FC 200	20 (8 ha)	500	No. of tillers, plant height, No of ear heads, defoliators/ plant and yield	SMS(SS & AC) SMS(Horti.)
											Total	**10000 + 1000 (Name Board) = 11,000**		
9.2	Oilseeds	Ground nut	Local varieties, lack of awareness on bio fertilizers and micronutrients application	Introduction of new variety KCG-6/K6, bio fertilizers and micronutrients usage in groundnut (NFSM)	Variety	KCG-6/K-6	UAS (B)	Pods *Rhizobium* PSB ZnSo4/ Boron Soil test	62.5 kg 150 g 400 g 4 kg	5000 50 FC 100 FC 800 FC 200	30 (12 ha)	**5200**	Plant height, No. of pods/plant, Haulm yield and pod yield	SMS (SS&AC), SMS(Hort) & Prog.Asst
											Total	**1,56,000+2000(Name Board)= 1,58,000**		
9.3	Pulses	Red gram	Low yields, sterility mosaic virus and insect pest management	Integrated crop management in Red gram var. BRG-1 (NFSM)	Variety	BRG-1	UAS (B)	Seeds *Rhizobium* PSB Neem seed Dicofol Profenophos DDVP Soil test	6 kg 200 g 200 g 16 kg 750 ml 800 ml 200 ml	600 50 50 640 600 600 200 200	60 (24 ha)	2940	% PDI, leaf webber incidence, Pods/plant & yield	PC , SMS(SS& AC) & Program. asst
											Total	**1,76,400 +4000 (Name Board)=1,80,400**		

9.4	Pulses	Horse gram	Traditional varieties and Low yield	Introduction of new variety PHG-9 in Horse gram	Variety	PHG-9	UAS (B)	Seeds	10 kg	700	10 (4 ha)	700	No. of branches, pods/pl, Grain and stover Yield, BC ratio	SMS (SS&AC) SMS (Seri)& Program Asst
											Total	**7000+1000(Name Board)=8000**		
9.5	Fruit crop	Mango	inadequate water conservation methods and micro nutrients, low soil fertility, Improper management of pest and diseases	Integrated crop management in mango	Variety	Alphonso/Totapuri	UAS (B)	Catch pits Mukuna (Green manuring crop) Mango special Thimethoxam Sulphur Lambda cyalothrin Dinocap Thiop. methyl Fruitfly traps Lures	- 20 Kg 6 Kg 100 gm 1 Kg 200 ml 500 ml 500 gm 4 No. 2 No.	4000 1000 900 400 200 180 FC 900 FC 550 FC 420 FC 100 FC	05 (2 ha)	6500	Hopper incidence, % PDI, fruit fly catches and yield	SMS (Hort) , PC & SMS (SS&AC) Prog. Asst.
											Total	**32,500+1000(Name Board)=33,500**		
9.6	Fruit crop	Guava	Bronzing and micronutrient deficiency	Integrated nutrient management in guava	Variety	Allahabad safed	IIHR (B)	ZnsO4 Boric acid FYM Urea DAP MOP	7.5 Kg 6 Kg 10 t 168 kg 156 kg 120 kg	375 1200 10000FC 1092FC 3900FC 2040FC	03 (1.2 ha.)	**1575**	Per cent recovery Yield B:C ratio	SMS (Hort) SMS (SS&AC) & Prog. Asst.
	Total											**4725+1000(Name Board)=5,725**		

9.7	Vegetable	Tomato	Improper method of fertilizer application injudicious use of fertilizers and micro nutrient management	Nutrient management in tomato through fertigation	Hybrid	Indus 1030	IIHR (B)	Veg. special Urea Single super phosphate Potassium nitrate Soil test	1.5 Kg 60 Kg 150 Kg 65.25 Kg	225 480 FC 1200FC 9787 (50 % FC) 200	05 (1ha)	**5320**	Micronutrient deficiency in fruits (%), TSS of fruits , firmness of fruits, fruit keeping quality Yield B:C ratio	SMS (Hort.), Program. Asst. & SMS (SS&AC)
											Total	**26,600+1000(Name Board)=27,600**		
9.8	Vegetable	Potato	Haulm development at cost of tuber, late blight, mite, tuber moth and defoliator problem	Management of excess growth of haulm and late blight and other pest in Potato	Variety	Kufri Jyothi	UHS (B)	Mepiquat chloride Difenconazole Mancocozeb Metalaxyl + mancozeb Fenomidon+mancozeb Cymoxanil+ mancozeb Dicofol Phosalone Soil test	500 ml 250 ml 1.5kg 400g 600 g 400 g 500 ml 400ml	500 900 FC 800 FC 830 1800FC 500 300 400 200	10 (4ha)	2730	Fresh and dry weight of plants, no. of tubers / plant, % PDI, mites/leaf and yield	SMS (Hort.), Progr.Asst. & PC
											Total	**27,300+1000(Name Board)=28,300**		
9.9	Vegetable	Cauliflower	Whiptail, brown rot	Integrated nutrient management in cauliflower	Variety	NS-60	IIHR (B)	**FYM** DAP Urea MOP Boric acid Ammonium molybdate Soil test	10 tons 87 kg 96 kg 67 kg 2 kg 200gm	10000FC 2175FC 650 FC 1140FC 500 400 200	05 (1ha)	1100	Per cent brown rot and whip tail incidence, and marketable Yield	SMS(SS&AC) , SMS (Hort.), & Program Asst.
											Total	**5500+1000(Name Board)=6500**		

9.10	Sericulture	Mulberry	Scarcity of water and low leaf yield	Demonstration on tree mulberry for rainfed sericulture	Variety	V1	CSR&TI Mysore	Mulberry Saplings Urea SSP MOP *Seri-Azos* Seri-phos	450 150 kg 100 kg 50 kg 8 kg 2 kg	2250 960 FC 740 FC 800 FC 800 200	05 (2 ha)	3250	Leaf moisture content (%), Leaf yield (kg/tree), Leaf yield (kg/ha/Yr), No of Dfls reared/crop/yr, B:C Ratio	SMS (Seri), PC
										Total		**16,250+1000(Name Board)=17,250**		
9.11	Sericulture	Mulberry	Injudicious use of chemical fertilizers, lack of awareness on bio fertilizers and micronutrients application,Lack of awareness on application of silkworm growth promoter	Integrated nutrient management in mulberry & Use of Silkworm growth enhancer for higher cocoon yield	Variety	V-1 PMXCSR2	CSRTI, Mysore & UAS,B	Zinc sulphate Borax Sunhemp seeds *Seri-Azos* Seri-phos Poshan Serimore Soil test	4 kg 400g 8 kg 8 kg 2 kg 1 ltr 10 ml/100	800FC 100FC 300 800 200 300 250 200	10 (4 ha)	2050	Fertility status of soil (before & after), leaf yield/plant, leaf yield (kg/ha), No. of Cocoons / Kg , Cocoon yield/100 dfls, Shell weight (g), Shell percentage (%), B:C ratio	SMS (Seri), SMS(SS&AC), PC
										Total		**20,500+1000(Name Board)=21,500**		
9.12	Sericulture	Silk worm	Low grade silk & cocoon price	Introduction of bivoltine hybrid KRISHNARAJA for quality cocoon production	Hybrid	FC2 X FC1	CSR&TI Mysore	2nd moult Chawki worms Disinfectant	100 Dfls 1 kit	2500 1000	05	3500	Disease incidence (%) ERR (%) Cocoon yield (kg/100 dfls) B:C ratio	SMS (Seri), PC
										Total		**17,500+1000(Name Board)=18,500**		

9.13	Home science	Value addition (EDP)	Low income realization due to lack of knowledge on minimal processing, packaging, labeling and branding.	Linking SHGs to branding and market for minimal processing of Jack fruit	-	-	FSSAI , UAS(D) , UAS (B)	Packaging materials Polythene cover boxes Hand gloves Labels Raw ingredients (jack fruit, preservatives,)	500 200 100 2 For 2 Products	1000 1000 1000 2000 3000	01	8000	Price, trading net profit , BC ratio, Consumer preference	SMS(HS), SMS(Hort.), PC
											Total	**8000+1000(Name Board)=9000**		
9.14	Home science		Malnutrition	Nutritional security of adolescent girls through nutrition garden	-	-	UASB	Nutrition garden Miscellaneous items	2X2 gunta	4000 500	02	4500	Anthropometric measurements Dietary Assessment- KAP – Structured schedule	SMS(HS). PC
											Total	**9000+1000(Name Board)=10,000**		
											Grand Total	**5,35,275=00**		

10. Training for Farmers/ Farm Women during 2016-17

Sl. 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	Groundnut	Low income by following traditional method of production	FLD	Improved production technology in Ground nut	1	35	SMS (SS & AC), PC
		Redgram	Improper nutrient management	FLD	Improved production technology in redgram	1	30	
10.2	Horticulture Production	Guava	Low yield and poor nutrient management	OFT	Role of nutrients in managing disorders of guava and other fruit crops	1	30	SMS(Hort) PC SMS(SS&AC)
		Mango	Traditional production technology and low yield	FLD	Advances in production aspects of mango and other major fruit crops	1	45	
		Tomato	Low yield due to inadequate nutrient management	FLD	Advances in nutrient management of tomato and other solanaceous vegetables	1	25	
		Potato	Poor crop management practices	FLD	Integrated crop management practices in potato	1	30	
10.3	Home Science	Weeders	Drudgery in hand weeding	OFT	Improving efficiency and drudgery reduction through hand operated twin weeders in groundnut for farm women	1	30	SMS(Home Sci) SMS (SS&AC)
		Value addition	Post harvest losses	EDP	Demonstration of minimal processing in jack fruit	1	30	SMS(Home Sci) SMS (Hort)
		Skill development		FLD	Demonstration on stimulation kit for psychomotor develop -pment in anganwadi children	1	30	SMS (HS) SMS (SS)
10.4	Plant Protection	Mango	Improper management of pest and diseases	FLD		1	25	PC & SMS(Hort.)
		Tomato	Injudicious use of fungicides for late blight management	FLD		1	20	PC & SMS(Hort.)

Sl. 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
		Potato	Injudicious use of insecticides and fungicides for pest and disease management	FLD	Integrated pest and disease management	1	20	PC & SMS(Hort.)
		Redgram	Pest and disease problem	FLD		2	80	PC & SMS(SS&AC)
		Cabbage	Pest and disease problem	FLD		1	30	PC & SMS(SS&AC)
		Ground nut	Pest and disease problem	FLD		2	60	PC & SMS(SS&AC)
10.5	Production of Inputs at Site							
10.6	Soil health and fertility	Soil testing	Improper nutrient management	FLD	Importance of soil fertility and its management	1	30	SMS(SS & AC).
		INM	Excess use of Inorganic manures & high cost of cultivation deterioration of soil fertility	FLD	Nutritional management in major horticultural crops	1	30	SMS(SS & AC). SMS(Hort.)
		Soil and water conservation	Scanty rainfall	FLD	Soil water conservation importance and different methods of conservation	1	30	SMS(SS & AC).
10.7	PHT and value addition							
10.8	Capacity Building Group Dynamics							
10.9	Farm Mechanization	Weeders	Drudgery	OFT	Improving efficiency and reduction in drudgery of farm women in weeding activity by Twin wheel hoe and cycle weeder	1	20	SMS(Hort), PC
		Transplanter	Drudgery	FLD	Training for farm women on sappling transplanter in horticulture crops for reducing drudgery	1	20	SMS (HS) SMS (SS&AC)

SI. 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
10.10	Fisheries Production Technologies							
10.11	Mushroom production							
10.12	Agro forestry							
10.13	Bee Keeping							
10.14	Sericulture	Mulberry		FLD	Tree mulberry cultivation for rainfed sericulture	1	50	SMS (Seri),PC
		Mulberry		FLD	Integrated nutrient management in mulberry & Use of silkworm growth enhancer for quality cocoon production	1	30	
		Silkworm rearing		FLD	Improved production technologies in Bivoltine silkworm rearing	1	30	
	Others, pl. specify							

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

11. Training for Rural Youth during 2016-17

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							
11.2	Horticulture Production							
11.3	Livestock Production							
11.4	Home Science	Health and hygiene	Malnutrition	FLD	Nutritional awareness among adolescent girls	1	20	SMS (HS)
11.5	Plant Protection							
11.6	Production of Inputs at Site			--				
11.7	Soil Health and Fertility	Soil testing	Poor soil health	-	Importance of Soil Testing and Balanced Nutrient Application in Crop Production	1	30	SMS(SS&AC).PC,
11.8	Capacity Building Group Dynamics							
11.9	Farm Mechanization							
11.10	Fisheries Production Technologies							
11.11	Mushroom production							
11.12	Agro forestry							
11.13	Bee Keeping	Bee keeping	Self-employment		Promotion of bee keeping as an additional income source	1	20	PC
11.14	Sericulture	Mulberry Production	Lack of awareness on improved sericulture practices		Mountages, Mounting & Harvesting technology in quality cocoon production	1	30	SMS(Seri)
	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 2016-17

Sl.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop production				
12.2	Home Science	Importance of food, health and hygiene practices	1	40	SMS(Home Sci)
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Construction, design and management of polyhouse	1	20	SMS(Hort)
12.5	Livestock Production & Management				
12.6	Plant Protection	Pest and disease management in important fruits and vegetables	1	20	PC
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.10	Sericulture	Improved sericultural practices for higher productivity	1	30	SMS (Seri)
12.11	Fisheries				
12.12	Soil Science	Identification of deficiency symptoms for major vegetable crops	1	20	SMS(SS&AC) SMS(Hort)

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

13. Vocational trainings during 2016-17

Sl. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop production						
13.2	Home science	Income generating activity in decorative candle preparation	1 (2days)	SHGs	20	CDPO	SMS (Home Sci)
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Propagation in important fruit crops	1(2 days)	Youth	20	---	SMS (Horti)
13.5	Livestock Production & Management						
13.6	Plant Protection						
13.7	Farm Mechanization						
13.8	PHT and value addition						
13.9	Production of Inputs at Site						
13.10	Sericulture	Preparation of Bio crafts from pierced cocoon	1(5days)	SHG Women	10	DOS, Kolar	SMS (Seri)
13.11	Fisheries						

14. Sponsored trainings during 2016-17

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						
14.2	Home Science						
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture						
14.5	Livestock Production & Management						
14.6	Plant Protection	Integrated pest and disease management	1	PF	50	CIPMC,Bangalore	PC & Prog. Asst.
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 2016-17

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.1	Advisory Services	200	300	All KVK staff
15.2	Diagnostic Visits	15	50	All KVK staff
15.3	Field Day	10	250	All KVK staff
15.4	Group Discussions	10	100	All KVK staff
15.5	Kisan Gosthi	--	--	--
15.6	Film Show	10	500	All KVK staff
15.7	Self -Help Groups	--	--	All KVK staff
15.8	Kisan Mela	02	2000	All KVK staff
15.9	Exhibition	03	600	All KVK staff
15.10	Scientists' Visit to Farmers Field	150	200	All KVK staff
15.11	Plant/Soil Health/Animal Health Camps	06	400	All KVK staff
15.12	Farm Science Club	--	--	All KVK staff
15.13	Ex-Trainees Sammelan	02	40	All KVK staff
15.14	Farmers' Seminar/Workshop	04	150	All KVK staff
15.15	Method Demonstrations	15	200	All KVK staff
15.16	Celebration of Important Days	04	200	All KVK staff
15.17	Special Day Celebration	02	150	All KVK staff
15.18	Exposure Visits	06	80	All KVK staff
15.19	Technology Week,	01	500	All KVK staff
15.20	Farmers Field School (FFS)	--	--	--
15.21	Farm Innovators Meet	01	20	All KVK staff
15.22	Awareness Programs	06	250	All KVK staff
	Others, pl. specify			

16. Activities proposed as Knowledge and Resource Centre during 2016-17

16.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria	--	--	--
16.1.2	Demonstration Units	Rain water harvesting structure, moisture conservation measures, vermicompost unit, tree mulberry	03 /0.2 Ha.	All KVK staff
16.1.3	Lab Analytical services	Soil and water analysis	500	SMS (SS&AC)
16.1.4	Technology Week	Advances in Horticulture & Sericulture	01	All KVK staff

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 2015-16	Names of the team members involved
16.2.1	Seeds	--	Drum stick seeds	10 kg	Farm manager
16.2.2	Planting materials		Drumstick seedlings	2000 nos.	Farm manager
16.2.3	Bio-products				
16.2.4	Livestock strains				
16.2.5	Fish finger links				
	Others (Mango special)	-	Mango special	1.5 tonnes	SMS (SS&AC), PC & Prog. Asst

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture		
	Horticulture		
	Animal Husbandry		
	Fisheries		
	Agricultural Engineering		
	Sericulture		
	Others, pl. specify		
16.3.2	Literature/publication	25	All KVK staff
16.3.4	Electronic Media	10	All KVK staff
16.3.5	Kisan Mobile Advisory Services	50	All KVK staff
16.3.6	Information on centre/state sector schemes and service providers in the district.		

17. Additional Activities Planned during 2016-17

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	KVK, Kolar	Awareness campaigns on Phasal Bheema Yojana	Awareness campaigns will be organized at every hobali of the district	1 lakh	SMS (SS&AC.), PC, Farm manager & Progr. Asst.

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2015 (Rs.in Lakh)	Expenditure incurred during 2015-16 (Rs.in Lakh)	Receipts during 2015-16 (Rs.in Lakh)	Closing balance as on 31.01.2016 (Rs.in Lakh)	Expected closing balance by 31.03.2016 (Including value of material in stock/ likely to be produced)
1,22,790	1,07,922	2,38,434	2,51,302	3,15,000

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	Mango special	1,500kg	2,25,000	SMS (SS&AC) PC& Progr. Asst.
18.2.2	Drumstick seeds	10 Kg	20,000	Farm manager
18.2.3	Drumstick seedlings	2000 nos.	20,000	Farm manager
18.2.4	SWTL	500 samples	1,00,000	SMS (SS&AC)

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

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	**250**	SMS (SS&AC)
19.2	Water	**250**	SMS (SS&AC)
19.3	Plant		
19.4	Others		

20. E-linkage during 2016-17

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	--	--
20.3	Any other (Please specify) Web site of KVK	--	--

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	--	--
21.2	--	--

22. Innovator Farmer's Meet

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

23. Farmers Field School (FFS) planned :-Nill-

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
	--	--	--

24. Budget - Details of budget utilization (2015-16) up to 31 January 2016

Sl. No.	Particulars	Sanctioned (BE) (Rs.)	Released	Expenditure (Rs)
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	75.11	-	**66.62**
24.1.2	**Traveling allowances**	1.00	-	0.60
24.1.3	**Contingencies**	7.01	-	6.59
24.1.4.A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	1.00	-	0.66
B	POL, repair of vehicles, tractor and equipments	1.00	-	1.36
C	Meals/refreshment for trainees	0.50	-	0.93
D	Training material	0.25	-	0.37
E	Frontline demonstration except oilseeds and pulses	2.50	-	2.14
F	On farm testing	1.21	-	0.78
G	Training of extension functionaries	--	-	--
H	Extension Activities	0.50	-	0.32
I	Farmers Field School	--	-	--
J	Library	0.05	-	0.03
	IFS	--	-	--
24.1	**Total Recurring**	83.12	-	73.81
24.2	**Non-Recurring Contingencies**	-	-	-
24.2.1	**Works**	45.00	-	-
24.2.2	**Equipments including SWTL & Furniture**	-	-	-
24.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
24.2.4	**Library**	-	-	-
24.2	**Total Non Recurring**	0.00	0.00	0.00
24.3	**REVOLVING FUND**			
24.4	**GRAND TOTAL (A+B+C)**	**128.12**	**60.89**	**73.81**

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

S. No.	Particulars	BE 2015-16 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	**75.00**
25.1.2	**Traveling allowances**	**1.50**
25.1.3	**Contingencies**	**13.12**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**1.25**
B	POL, repair of vehicles, tractor and equipments	**2.50**
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	**1.50**
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	**1.00**
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	**5.36**
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	**0.41**
G	Training of extension functionaries	**0.25**
H	Maintenance of buildings	**-**
I	Establishment of Soil, Plant & Water Testing Laboratory	**-**
	IFS	**-**
	Extension Activities	**0.75**
J	Library	**0.10**
25.1	**TOTAL Recurring Contingencies**	**89.62**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	**135.0**
25.2.2	**Equipments & Furniture**	**3.5**
25.2.3	**Vehicle (Tractor and accessories**)	**12.00**
25.2.4	**Library** (Purchase of assets like books & journals)	**--**
25.2	**TOTAL Non-Recurring Contingencies**	
25.3	**REVOLVING FUND**	**-**
25.4	**GRAND TOTAL**	**240.12**