ACTION PLAN OF KVKs IN ZONE VIII FOR 2015-16

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	**KRISHI VIGYAN KENDRA**, HIREHALLI,TUMAKURU-572168 Phone:0816-2243175 Fax : 0816-2243177 Email: iihrkvk@gmail.com
1.2	Name and address of host organization	:	INDIAN INSTITUTE OF HORTICULTURAL RESEARCH Hessaraghatta Lake Post, Bengaluru-560089 Phone:080- 28466420 Fax:080-28466291 Email: director@iihr.ernet.in ,diriihr@icar.org.in , iihrdirector@gmail.com
1.3	Year of sanction	:	24th March, 2009
1.4	Website address of KVK and date of last update		www.iihrkvk.org (30th Sep,2014), www.iihr.ernet.in

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. N. Loganandhan	Agril. Extension	37400-67000+9000	9000	02.08.2013	Permanent
2.2	Subject Matter Specialist	Sri. K.N. Jagadish	Agril. Extension	15600 - 39100+5400	5400	17.11.2009	Permanent
2.3	Subject Matter Specialist	Sri P.R.Ramesh	Soil Science	15600 - 39100+5400	5400	17.11.2009	Permanent
2.4	Subject Matter Specialist	Sri Prashanth J.M	Horticulture	15600 - 39100+5400	5400	24.11.2009	Permanent
2.5	Subject Matter Specialist	Sri B. Hanumanthe Gowda	Plant Protection	15600 - 39100+5400	5400	02.12.2009	Permanent
2.6	Subject Matter Specialist	Ms. Radha R.Banakar	Home Science	15600 - 39100+5400	5400	05.12.2009	Permanent
2.7	Subject Matter Specialist	Dr. Somashekhar	Plant Breeding	15600 -	5400	07.12.2009	Permanent

				39100+5400			
2.8	Programme Assistant	Sri K.N.Shashidhara	Crop Physiology	9300 - 34800+4200	4200	17.10.2012	Permanent
2.9	Computer Programmer	Ms. Jyoti Appu Naik	Computer Programmer	9300 - 34800+4200	4200	30.09.2009	Permanent
2.10	Farm Manager	Sri H.D.Parashuram	Farm Manager	9300- 34800+4600	4600	25.07.2013	Permanent
2.11	Accountant/Superintendent	Vacant	Accounts				
2.12	Stenographer	Smt. Veda Kurnalli	Stenographer	5200 - 20200+2400	2400	17.02.2010	Permanent
2.13	Driver 1	Sri M.H.Ningappa	Driver	5200 - 20200+2000	2000	31.12.2009	Permanent
2.14	Driver 2	Sri Hemanth Kumar	Driver	5200 - 20200+2000	2000	04.01.2010	Permanent
2.15	Supporting staff 1	Vacant	Supporting staff				
2.16	Supporting staff 2	Sri G.Manjanna	Supporting staff	5200 - 20200+1800	1800	01.11.2012	Permanent

3. Details of SAC meeting conducted during 2014-15

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2015-16
3.1	**30.09.2014**	• Exchange programmes between two KVKs located in Tumakuru district is benefitting farmers of Tumakuru district, and this should be continued. • Vegetable seedlings can be also be raised in pro-trays and given to farmers. • Flower crops can be promoted in plantations like Coconut, Areca nut, etc., and demos can be taken up in KVK Farm. • ARYA Programme could be intensified. • For sustainable profit, IFS has to be promoted. • Floriculture programme has to be intensified. • Emphasis on Farmers' Producer Organization (FPO) is need of the hour. • Beekeeping programmes has to be conducted regularly and NABARD funded programme has to be supported by KVK. • Fodder Requirement in the country is 22 lakh MT. But the supply is only 15 lakh MT. This gap has to be met out in the future. In this direction, NIFTD is a good initiative.	• SMS (Horticulture) and SMS (Soil Science) Participated in the training Programmes organized by KVK Tiptur as Resource persons. • Production and sale of Protray based vegetable seedlings initiated for roof and kitchen garden. • Flower crops like Tube rose, Marigold and Aster were taken up for OFT as well as KVK Farm. • Vocational Training (Coconut friends, Mushroom Cultivation) and IFS Programmes are organized keeping Rural Youth in consideration. • Meetings in this regard were organized at Mangalvada village of Pavagada Tq; for Tamarind based FPO. • One training was organized. Efforts were taken to cover entire KVK Farm with Honey bee boxes. • Through NIFTD, it is demonstrated that green fodder yield was increased to the extent of 31.7% in NB Grass, 61.55% in Multicut fodder sorghum and 37.97% in	**29.9.2015**

			fodder cow pea.	
		• Foot and Mouth disease has become a major problem. Through effective programs this can be controlled.	• An awareness programme organized at D Nagenahalli in Collaboration with NIANP, Bengaluru on 25th February 2015, One more awareness programme organized at Baraka village in Collaboration with NIANP, Bengaluru on 25th February 2015, Meeting with State Animal husbandry department was held at Tumakuru on various schemes of State Government.	
		• Market rate issue has to be addressed and the programmes which creates awareness about the prices of market has to be given importance.	• More than 15 No,s of Training Programmes were organized in collaboration with marketing Board , Govt of Karnataka in Tumakuru District.	
		• Programmes related to Drought mitigation and Post harvest technologies need be given more focus	• NICRA Project and an EDP Programme focus on Drought mitigation and PHT.	
		• High density planting in banana is a good technology, where farmers are to be given full package.	• FLD was initiated on HDP in Banana with minimal critical inputs.	
		• Mass media approach has to be adopted for dissemination of the technologies.	• KMAS, Radio and TV Programmes, Coverage in Local News papers are given due importance for dissemination of the technologies.	
		• The cooperation of Line department & NGO has to be taken to achieve the objective of the demonstration, training, etc.,	• The Cooperation of All Line Departments and NGO,s like Mother, Aware, Avishkar, Skrdp, Wlars, Order, etc., is kept in good spirit for demonstration, training, etc.,	

		• Exposure visit for farmers have to be arranged. • New varieties have to be included in the farmer's participatory seed production programmes. • Compiling the outcome of technologies disseminated through OFT's and FLD's is important. • Tumakuru is a major district growing Coconut, where water management is crucial. Technologies pertaining to this have to be demonstrated. • New technologies of horticulture has to be established especially in Mango, Guava, etc., • Seedlings of various fruit crops should be developed in KVK. • Animal component has to be included in the KVK Programme including fisheries.	• Exposure visits were arranged during ICAR Foundation day, International Exhibition at BIEC, Bengaluru. • Onion- Arka Kalyan, French bean- A suvidha and Okra- Arka Anamika seed production is being implemented in selected villages of Tumakuru District. • First draft of Compilation is ready to be released as a book. • Water management related topics are covered in Coconut Friends training. • Efforts were taken to introduce new technologies like HDP in mango, Arka Rashmi in Guava, Graviola, Protected cultivation in vegetables and flower crops. • About 10000 seedlings have been produced and 5000 were sold so far. • Efforts were taken to procure two Bullocks, two Jersey cows and to be used along with Biodigester and Vermicompost.	

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2015-16

Sl. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1			
4.1.2	Research method in Extension: Basics to Advances	Department of Extension Education, Institute of Agricultural Sciences, BHU, Varanasi-221005	New Dimension in Evaluation of Agril. Programme
4.1.3	Food Safety and Household nutritional security of women in Agriculture	MANAGE, Hyderabad	To know the advanced technologies in food safety and nutritional security
4.1.4	Utilization of degraded land through horticulture	-	New Technologies in horticulture
4.1.5	Nano technology and plant disease management	-	To improvement effective plant protection measures at field level
4.1.6	Natural resources management strategies in a climate change scenario	Department of Agricultural Economics, College of Horticulture, KAU, Thrissur- 680656	To demonstrate NRM intervention in NICRA site to combat Climate Change
4.1.7	Agro-forestry as a strategy for adaptation and mitigation of climate change in rainfed areas	Central Research Institute for Dry land Agriculture, Santoshnagar, Saidabad, Hyderabad-500059	To demonstrate NRM intervention in NICRA site to combat Climate Change
4.1.8	Managing IP under PVP and PGR	Directorate of Sorghum Research, Rajendranagar,Hyderabad-500030	
4.1.9	Advanced analysis tools in Agricultural management	NAARM, Hyderabad	For impact analysis of extension activities
4.1.10	Linking farmers to markets	MANAGE, Hyderabad	Assisting farmers for remunerative price for there produce

4.2. Cross-learning across KVKs during 2015-16

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring –KVK, Hiriyur	Minor Millets, Dry Land Horticulture
4.2.2	Within the zone - KVK, Calicut, Krishnagiri, Goa	IFS, Precision Farming, ICT
4.2.3	Outside zone –KVK, Gujarat	Watershed Management

5.Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2015-16

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, Doddaballapur	Micronutrient Production, Arka Microbial Consortium	Information on Bio fuel
5.2	KVK, Chitradurga	Seed Production techniques, Neem and Pongamia soap	Value addition in minor millets
5.3	KVK, Ramanagar	Vegetable seed kit , Mango Fruit Fly Traps	Sericulture
5.4	KVK, Konehalli ,Tiptur,Tumakuru	Seeds, seedlings and micronutrients	Minor Millets, Coconut Value addition
5.5	KVK,Davangere	Vegetable Special, Planting materials	Fisheries

6. Operational areas details proposed during 2015-16

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	Ragi	Drought, Use of local varieties and low yield. Lack of knowledge on Processing, value addition and branding of ragi products	87032 ha	D, Nagenahlli, Vaddarahalli, Sakshihalli, Baichenahalli	FLD's ,Trainings & Field days
6.2	Minor Millets	Lower income in Pigeon pea as a sole crop in rainfed condition. Pigeon pea is longer duration crop, prone to Biotic and Abiotic stresses leading to meager income. Interspace between rows of Pigeon pea underutilized for initial 70 days after sowing.	1230 ha	Vaddarahalli, Sakshihalli, Midigeshi	FLD, Trainings & Field days

6.3	Pigeonpea	Delayed Monsoon and Pod borer and sterile mosaic disease in red gram.	8924 ha	Sakshihalli, Midigeshi	FLD ,Trainings & Field days
6.4	Groundnut	Tikka Disease , leaf minor, low income	73050 ha	Arasikere, Sakshihalli, Midigeshi	OFT ,Trainings
6.5	Tomato	Poor Soil and Nnutrient Management, Water scarcity, Low keeping quality	423 ha	Balaenahalli,, Vaddarahalli , Belgumba	FLD ,Trainings & Field days
6.6	Onion	Use of local low yielding varieties. Most of the farmers are using substandard local available seeds.	8000 ha	Midigeshi, Sakshihalli	FLD ,Trainings & Field days
6.7	Mango	Monocropping, Stem Borer Powdery mildew, Fruit fly and hoppers in Mango, lack of knowledge on PHT in mango.	6347 ha	Vadarahalli, Balenahalli, Arasikere	OFT,FLD's ,Trainings & Field days
6.8	Banana	Low plant Density, poor nutrient management & lack of pre and post harvest technology management.	2467 ha	Balenahalli, Vaddarahalli	FLD ,Trainings & Field days
6.9	Arecanut	Monocropping, Low soil fertility, Anabe Roga & Nut splitting	10023 ha	Balenahalli, Vaddarahalli	OFT, Trainings
6.10	Pomegranate	Indiscriminate use of Fertilizers, Wilt & Bacterial Blight, Low yield	456 ha	Arasikere, Midigeshi	OFT ,FLD, Trainings
6.11	China Aster	Small size flowers, less shelf life and low yield Current yield- 8.6 t/ha Potential yield- 12.5 t/ha	1020 ha	Balenahalli, Vaddarahalli	OFT, Trainings
6.12	Betelvine	Poor Soil aeration and nutrient Management, Low quality & yield	731 ha	Balenahalli, Midigeshi	FLD ,Trainings & Field days

7. Technology Assessment during 2015-16

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
1	Areca nut	Inefficient use of land, weed menace, low soil fertility, lower income	Assessment of Areca nut -French bean intercropping system for high soil fertility and higher income	TO 1 : FP Mono cropping	FP	Soil sample analysis- (Before & after implementation)	2 Nos.	200	07	15400	Plant height, No of days for flowering, no. of pods per plant, Yield per plant, Organic carbon content and economics	Prashanth J.M. K.N.Jagadish , P.R. Ramesh *50% Farmers Share
				TO 2: RPP Areca nut + Vegetable Cowpea (0.2ha)	UAS, Bengaluru	Cowpea- Soil sample analysis-	1.5kg 1 Nos.	350				
				TO 3 : Areca nut + Vegetable French bean (Arka Suvidha) (0.2 ha)	CPCRI/ CHES Hirehalli	French beans- Soil sample analysis-	6kg 1 Nos.	1550				
2.	Pomegranate	Severe outbreak of wilt & poor plant growth	Evaluation of technology for management of Pomegranate wilt	TO 1 : Application of FYM & neem cake	FP					10500	% Soil micro flora, % wilt & yield	BH Gowda JM prashanth P R Ramesh *45 % Farmers Share
				TO 2: Drenching with Carbendazim	UAS, Bengaluru	Carbendazim						

				@ 2gm/litre at 20 days interval.(20 litres of spray solution /plant – 3 times)					07			
				TO 3 : Application of Actinobacteria consortium @20g/lt at 15 days intervals (5 times)	IIHR Bengaluru	Actinobacteria	10 kg	1500				
3	Mango	Low soil fertility, Monocropping, Lower income	Assessment of Red gram: Green gram (1:4) as a intercrop in Mango orchard for climate resilient agriculture	TO 1 : Solo cropping	FP	Soil sample analysis- (Before & after implementation)	6 sample	100/ sample	07	3100	Plant height, No of days for flowering, no. of pods per plant, Yield per plant, Organic carbon content and economics	P.R Ramesh , Prashanth J.M. K.N. Jagadish & B.H.Gowda *50% Farmers Share
				TO 2: Mango + Horsegram	UAS, Bangalore	Horsegram Seeds Soil sample	4 Kg 8 sample	100 100				
				TO 3 : Mango + Red gram - Green gram (1:4)	IIHR Bangalore	Red gram Green gram Soil sample	2 Kg 6 kg 8 sample	90 100 100/ sample				

8. Technology Refinement during 2015-16

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								
8.2				1								

9. Frontline Demonstrations during 2015-16

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	Cereals													
9.2	Millets													
1.		Ragi	Formation of crust after sowing of Ragi due to the impact of Rain and subsequent failure of germination in dryland Red Soils	Management of Soil Surface Crust in Red Soils : FYM: 10 ton/ha Gypsum: 2ton/ha or Lime : 1.2 ton/ha depending on Soil pH. Arka Microbial	Variety	ML-365	AICRPDA, UAS, Bengaluru	Gypsum- or Lime- Arka Microbial Consortium-	2ton/ha 1.2ton/ha 20kg/ha	2000	12	24000	Plant height, Girth, No. of ear heads. yield	P.R.Ramesh, Radha R.Banakar, K.N.Jagadish

			Low germination leading to the 30-40 % reduction in yield (21.6 q/ha production in Tumakuru)	Consortium: 25gm/litre										
2		Saave /Little Millet	Lower income in Pigeon pea as a sole crop in rainfed condition. Pigeon pea is longer duration crop, prone to Biotic and Abiotic stresses leading to meager income. Interspace between rows of Pigeon	Demonstration of Little Millet Var: Co- 6 as a Intercrop in Pigeon pea	Variety	**Co- 6**	AICRP on Small millets, Bengaluru)	Seeds Bio fertilizers	4kg/ Acre	2000	12	24000	Grain Weight /panicle, Yield Kg/ha	Somashekhar P.R. Ramesh, K N Jagadish & K.N.Shashidhara

			pea underutilized for initial 70 days after sowing**.**											
9.3	Oilseeds													
3.		Groundnut	Smaller pod size & Lower yield	Demonstration of KCG-6 Groundnut Variety	variety	KCG-6	UAS, Bengaluru	Seeds	45 kg/acre	1125	10	11250	No. of pods per plant, % of Foliar Disease incidence	Somashekhar, Radha Banakar & Jagadish K N *50% Farmers Share
9.4	Pulses													
4.		Pigeon pea	1.Local/Existing varieties are low yielding in rainfed Situation and unable to sustain drought situation 2. More Incidence of pest and diseases in local/exist	Enhancement of Pigeon pea yield through introduction of BRG-4	Variety	BRG-4	UAS, Bengaluru	Seeds	6 kg/acre	3000	25	75000	Plant height, Days taken for flowering, no. of pods per plant, yield per plant & total yield	Somashekhar P.R. Ramesh, K N Jagadish & K.N.Shashidhara

			ing varieties. 3.Use of Long duration varieties which are susceptible to terminal moisture stress.											
9.5	Commercial crops													
9.6	Horticultural crops													
Fruits														
5.		Banana	Low plant density and low yield per unit area (35.41 t/ha)	Yield Maximization through High density planting in Banana- Paired row planting with zig zag method 2 m x 1.2m x 1.2m Banana seedling [NRC Banana	variety	Grand naine	NRC Banana, Thrichy	Banana suckers	520 plants	5200	03	15600	Plant height, Pseudo stem girth, days taken for flowering, no. of fingers per bunch, weight	Prashanth J.M. P.R.Ramesh & KN Jagadish *50% Farmers Share

				Thrichy]									of the fingers, bunch weight & yield	
6.		Mango	Severe incidence of Stem borer Lack of Awareness about the pest incidence, Control measures are not adopted	Management of Mango Stem Borer by Sealer cum Healer : Removal and cleaning of infested portion and immature stages of stem borer Swabbing with Dichlorovos @ 0.5% Pasting of Sealer Cum Healer at the infested portion.	variety	Alphonso	IIHR, Bengaluru	Sealer cum Healer	**1kg /tree**	900	10	9000	% damaged portion, no. of grubs present , no. of dieback branches & yield	B.H.Gowda, Radha R.Banakar P.R.Ramesh, K.N.Jagadish *25% Farmers Share
7.			Fruit damage due to improper	Demonstration on improved technologies in cultivation				Mango Harvester Low cost poly	**1** **1**	4500	5	22500	% of fruit damage, % reductio	*25% Farmers Share

			harvesting High cost of ripening, Improper packing	of Mango under group approach				tent					n in man days, BC ratio for fruit packing in boxes	
8.		Pomegranate	Indiscriminate and Imbalanced fertilizer application , High micronutrient deficiency, low fruit quality and yield(8.27ton/ha in Tumakuru) Poor Soil with low organic carbon content,	Integrated Crop Management in Pomegranate : Leaf Tissue Analysis, FYM: 25 ton/ha RDF (400:200:200 gm per plant NPK)	Variety	Bhagva	IIHR, Bengaluru	Leaf Tissue Analysis Gypsum Znso4 Boric Acid Cu So4 MgSo4 19:19:19	2.5 q/ha 20 kg 2.5 kg 2.5 kg 20 kg 2.5 kg	600	10	6000	Nutrient content, No of fruits per plant, Fruit weight, Yield	P.R.Ramesh, Prasanth JM B.H.Gowda *50% Farmers Share

			Micro nutrients											
Vegetables														
9.		Tomato	Bacterial wilt, leaf curl & Low yield	Demonstration of Arka Rakshak F1 hybrid in Tomato	Hybrid	Arka Rakshak F1	IIHR Bengaluru	Seeds	30 gms/acre	900	05	4500	% incidence of diseases, plant height, No. of branches per plant, No. of fruits per plant, Yield	B.H.Gowda Somashekhar & Prashanth J.M. *25% Farmers Share
10.			Water scarcity, soil borne diseases and pest incidence and problem of weed menace in vegetables cultivation	Use of Polythene mulch in tomato	Hybrid	Private Hybrid	IIHR Bengaluru	Polythene mulch	30mm micron	4500	03	13500	Plant height, No. of branches per plant, days taken for flowering, No. of fruits / plant. yield / plant,	Prashanth J.M., Somashekhar & K.N.Jagadish *25% Farmers Share

													weed infestation, % Moisture content total yield	
11.		Onion	Use of local low yielding varieties. Most of the farmers are using substandard local available seeds.	Integrated crop Management in Onion	Variety	Arka-Kalyan	IIHR Bengaluru	Seeds	10kg/ha	3000	10	30000	yield, Bulb weight, Purple blotch disease	Somashekhar & Prashanth J.M *25% Farmers Share
Flower Crops														
12.		China Aster	Small size flowers, diameter, less shelf life, low attractive colour and low yield	Demonstration of China aster Arka Adhya variety	variety	Arka Adhya	IIHR, Bengaluru	Seeds	300 gms/Acre	2250	5	11250	Size, Weight. No. of Flowers/plant, Yield	J.M. Prashanth K.N.Jagadish P.R. Ramesh *50% Farmers Share
9.7.Plantation Crops														
13.		Betelvine	Low nutrient	Cost effective Arka	variety	local	IIHR Benga	Arka Microbi	30 kg/ha	450	10	4500	No. of leves	P.R.Ramesh, K.N Jagadish

			use efficiency and soil fertility	Microbial consortium(AMC) for high quality and crop yield of Betelvine			luru	al consortium					/plant , % of disease incidence, Soil nutrient status	& B.H.Gowda *50% Farmers Share
9.8	Livestock													
9.9	Fisheries													
1.	Others - EDP	Ragi	Lower net income if sold as unbranded and unlabelled	Branding and Labelling of value added products from Ragi	-	-	UAS Bengaluru	Weighing balance, Sealing machine, Vermicelli maker, Labels, Packing materials	2 No 2 No 2 No	5000	02 SHGs	10000		Radha Banakar Somashekar *50% SHGs' Share

10 Training for Farmers/ Farm Women during 2015-16

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							
1		Ragi	Local variety, Water	FLD	Integrated crop	2	60	P.R.Ramesh ,

			scarcity, Lack of knowledge on processing & value addition		management and value addition techniques for Ragi Red soil management in Ragi	1	30	Radha R.Banakar, K.N.Jagadish
2		Onion	Lack of quality seeds	-	Seed production in onion	1	30	Dr. Somashekhar
3								
4		Redgram	Use of local seeds, lack of knowledge about productions practices	FLD	Improved production technology for red gram	1	30	Somashekhar & K.N.Shashidhar
5		Minor millets	Lower income in Pigeon pea as a sole crop in rainfed condition.		Little Millet Var: Co- 6 as a Intercrop in Pigeon pea	1	30	Somashekhar &
6		Groundnut	Use of old variety, susceptible to foliar diseases resulting in low yield	OFT	Integrated crop management in Groundnut	1	30	Somashekhar & P.R.Ramesh
10.2	Horticulture Production							
1		Vegetable crops	Lack of knowledge on improved technology in vegetables	-	Precision farming	1	30	Prashanth J.M., P.R.Ramesh & Somashekhar
2		Fruit crops	Water scarcity, low yield	-	Integrated nutrient management in rainfed horticulture	1	30	P.R.Ramesh & Prashanth J.M.
3		Arecanut	Monocropping, water scarcity and nut splitting	OFT/FLD	Intercropping system & Nutrient management in Areca nut	1	30	P.R.Ramesh & Prashanth J.M
4		Flowers	Local varieties and low yield	OFT	Production practices of Commercial flowers	1	25	Prashanth J.M & K.N.Jagadish
5		Vegetables crops	Water scarcity, low soil fertility and low	FLD	Importance of plastic mulching in tomato	1	30	Prashanth J.M., P.R.Ramesh &

			yield					K.N.Jagadish
6		Dry land Hort	Drought, low soil fertility and low yield	FLD	Dry land horticulture	1	30	Prashanth J.M., P.R.Ramesh & K.N.Jagadish
7		IFS	Non sustainability in farming	FLD	Importance of Horticulture in IFS	1	30	Prashanth J.M & P.R.Ramesh
		Banana	Low plant population and low yield	FLD	Production practices in banana cultivation	1	30	Prashanth J.M & P.R.Ramesh
10.3	Livestock Production							
1		**Fodder crops**	Low yield	**NIFTD**	Recent technologies in forage crops	4	100	Somashekhar Radha R. Banakar P.R.Ramesh & K.N.Jagadish
10.4	Home Science							
1		IGA	Unemployment, Lack of knowledge on value addition, Processing & branding	-	Processing and value addition in minor millets	1	30	Radha R. Banakar & Somashekhar
10.5	Plant Protection							
1		Mango	Powdery Mildew , Hoppers Fruit fly, Stem borer	-	IPDM in Mango	1	30	B.H Gowda, P.R. Ramesh & K.N.Shashidhar
2		Pomegranate	Wilt, Bacterial blight	OFT	Pest and Disease management in Pomegranate	1	30	B.H Gowda, P.R. Ramesh & K.N.Shashidhar
3		Cotton	Pest and disease	OFT	Pest and Disease management in Cotton	1	30	B.H Gowda, P.R. Ramesh & K.N.Shashidhar
10.6	Production of Inputs at Site							

1		Compost production	Low nutrient status, imbalanced nutrition		Method of compost production	1	30	P.R.Ramesh Prashanth J.M & K.N.Shashidhar
2		Arka Microbial consortium	Low nutrient use efficiency	FLD	Use of Arka microbial consortium	1	30	P.R.Ramesh , Prashanth J.M & K.N.Shashidhar
3		Seed production	Lack of awareness about vegetable seed production	FLD	Seed production in French bean	1	30	Somashekhar
10.7	Soil Health and Fertility							
1		Biofertilizers production	Low nutrient use efficiency	-	Enhancement of soil fertility through different bio-fertilizers	1	30	P.R.Ramesh , K.N. Jagadish & K.N.Shashidhar
2		Soil and water conservation	Soil degradation , water runoff	-	Soil and water conservation	1	30	P.R.Ramesh , K.N.Jagadish & K.N.Shashidhar
3		Organic farming	Poor soil health	-	Organic farming in horticulture crops	1	30	P.R.Ramesh & K.N.Jagadish
4		Soil plant, and water testing	Poor nutrient status	-	Importance of Soil and water testing	1	30	P.R.Ramesh , K.N.Jagadish & K.N.Shashidhar
5		Soil sample	Lack of awareness	-	Method of soil sampling	1	30	P.R.Ramesh &K.N.Shashidhar
6		Leaf analysis	Low nutrient content, deficiency symptoms	**FLD**	Sampling method for leaf analysis	1	25	P.R.Ramesh & K.N.Shashidhar
10.8	PHT and value addition							
1		Processing & Value addition	Lack of knowledge onPost harvest technology and Mal nutrition	FLD	processing, value addition and marketing techniques in ragi	2	60	Radha R. Banakar & Somashekhar
2		**Mango**	Lack of knowledge on PHT	**FLD**	Demonstration on Mango harvester, low cost	1	30	Radha R. Banakar &

					ripening chamber and packing			Somashekhar K N jagadish
3		**Fruits & Flowers**	Lack of knowledge on PHT	-	Processing and value addition	1	30	Radha R. Banakar & Somashekhar K N jagadish
10.9	Capacity Building Group Dynamics							
1		ICT	Lack of communication , slow spread of technology	-	ICT for farm entrepreneur	1	25	K.N.Jagadish
10.10	Farm Mechanization							
1		Farm Mechanization	Labour scarcity, high cost involved, low efficiency	-	Farm Mechanization	1	30	K.N.Jagadish & Prashanth J.M. P.R.Ramesh , Somashekhar Radha R. Banakar
10.11	Fisheries Production Technologies	-						
10.12	Mushroom production							
1		Mushroom Cultivation	Mal nutrition & low income	-	Mushroom cultivation	2	60	Radha R. Banakar & Somashekhar K.N.Jagadish
10.13	Agro							

	forestry							
1		Agri –Sivli culture	Soil erosion , Low soil fertility	-	Agro forestry system	1	30	P.R.Ramesh , K.N.Jagadish
10.14	Bee Keeping							
10.15	Sericulture							
10.16	**Others, pl. specify**	IFS	Non sustainable income	FLD	Integrated farming system	2	60	P.R.Ramesh , Prashanth J.M & K.N.Jagadish

11. Training for Rural Youth during 2015-16

Sl.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (Assessment/Refinement/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production							
11.2	Horticulture Production	Vegetables	Poor quality seedlings and germination	-	Raising of quality vegetables seedlings through pro-trays	01	30	Prashanth J.M. P R Ramesh & K.N.Jagadish
	Urban horticulture	Vegetables	Mal Nourishment	-	Nutrition gardening	01	30	Prashanth J.M. Radha R Banakar Somashekar P R Ramesh & K.N.Jagadish
11.3	Livestock Production			-				
11.4	Home Science	-						
		Ragi	Lack of knowledge on	FLD	Processing & value addition to Ragi	02	50	Radha R.Banakar, Somashekhar &

			processing & value addition					P.R.Ramesh
11.5	Plant Protection							
		Ragi	High incidence of pest and diseses	-	IPDM in ragi	1	30	B.H Gowda, P.R. Ramesh & K.N.Shashidhar.
11.6	Production of Inputs at Site							
		Vermi compost	Low nutrient status, imbalanced nutrition	-	Method of vermicompost production	1	30	P.R.Ramesh K.N.Jagadish & K.N.Shashidhar
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	Mushroom	Lack of Awarness on Mushroom Cultivation	-	Mushroom cultivation	1	30	Radha R. Banakar & Dr. Somashekhar

11.13	Agro forestry							
11.14	Bee Keeping		Lack of Awarness on Honey bee keeping	-	Honey bee keeping	1	30	P.R.Ramesh , B.H.Gowda & K.N.Jagadish
11.15	Sericulture							
	Others, pl. specify							

12. Trainings for Extension Personnel during 2015-16

S. No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production				
		Seed production in vegetables	1	20	Somashekar & Prashanth JM
12.2	Home Science				
		Health & Nutrition	1	20	Radha R Banakar & Somashekar
		IGA for SHG groups	1	20	Radha R Banakar & Somashekar
12.3	Capacity Building and Group Dynamics	Community based organization	1	20	K.N.Jagadish
12.4	Horticulture				
		Use of Arka Microbial Consortium in Vegetable production	1	20	P R. Ramesh , Prashanth JM & K.N.Jagadish
12.5	Livestock Production & Management	Recent technologies in forage crops	1	**20**	Somashekar & K.N.Jagadish
12.6	Plant Protection				
		IPDM in Coconut	1	25	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
		IPDM in Groundnut	1	25	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
12.7	Farm Mechanization	-			
12.8	PHT and value addition				

12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				

13. Vocational Trainings during 2014-15

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						
13.3							
13.4	Horticulture						
		Coconut Friends	3(7)	Youth	20	Coconut Development Board	Prashanth JM BH Gowda P R. Ramesh & K.N.Jagadish
13.5	Livestock Production & Management						
13.6	Plant Protection						
		Mass production of Trichogramma chelonis for the control of fruit and shoot borer in Brinjal	1(3)	Youth	20	-	Hanumanthegowda, PR Ramesh & Shashidhar.K.N
13.7	Farm Mechanization						
13.8	PHT and value addition	PHT in horticultural crops	1(5)	SHGs	20	-	Radha R Banakar
13.9	Production of Inputs at Site						

		Production technology of Arka Coco peat	1(3)	Youth	20	-	P.R. Ramesh & K.N.Jagadish
13.10	Sericulture						
13.11	Fisheries						

14. Sponsored Trainings during 2015-16

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	Names of the team members involved
14.1	Crop Production						
		Improved Seed production in Red gram (sp by KSSC LTD.Tumakuru)	1(1)	Youth	30	KSSC	Somashekar & Prashanth JM
		Vegetable seed Production (sp by KSSC LTD.Tumakuru)	1(1)	Youth	30	KSSC	Somashekar & Prashanth JM
14.2	Home Science						
		Value addition to minor millets	1(1)	SHGs, Women	30	Agriculture Dept.	Radha R Banakar & Somashekar
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture						
		High density Planting in Horticulture Crops	1(1)	Youth	30	Dept. of Horticulture	Prashanth JM P R. Ramesh K.N.Jagadish & Somashekar

14.5	Livestock Production & Management						
14.6	Plant Protection						
		IPDM in Arecanut	1(1)	Rural youths	30	Dept. of Horticulture	Hanumanthegowda, PR Ramesh & Shashidhar.K.N
		IPNM in Cotton	1(1)	Rural youths	30	Dept. of Agri.	Hanumanthegowda, PR Ramesh & Shashidhar.K.N
14.7	Farm Mechanization						
14.8	PHT and value addition						
		Processing & Value addition of Horticultural Crops	1(1)	SHGs	30	Dept. of Horticulture	Radha R Banakar & Somashekar
14.9	Production of Inputs at Site	Organic farming practices	1 (1)	Youth	30	Horticulture & Agriculture Dept.	P R. Ramesh & K.N.Jagadish
14.10	Sericulture						
14.11	Fisheries						

15. Extension programmes during 2015-16

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	140	800	All SMS
15.2	Diagnostic visits	35	185	B.H Gowda, Prashanth JM P R. Ramesh K.N.Jagadish & Somashekar
15.3	Field Day	10	850	All SMS
15.4	Group discussions	8	140	All SMS
15.5	Kisan Ghosthi	01	400	All SMS
15.6	Film Show	06	200	All SMS
15.7	Self -help groups	10	150	K.N.Jagadish & Radha R Banakar
15.8	Kisan Mela	01	500	All SMS
15.9	Exhibition	10	2000	K.N.Jagadish
15.10	Scientists' visit to farmers field	20	120	All SMS
15.11	Plant/Soil health/Animal health camps	05	1000	Prashanth JM P R. Ramesh B. H Gowda , K.N.Jagadish & Somashekar
15.12	Farm Science Club	-	-	-
15.13	Ex-trainees Sammelan	-	-	-
15.14	Farmers' seminar/workshop	1	100	All SMS
15.15	Method Demonstrations	10	200	All SMS
15.16	Celebration of important days	3	200	All SMS
15.17	Special day celebration	5	150	All SMS
15.18	Exposure visits	4	100	K.N.Jagadish
15.19	Technology week	1	500	K.N.Jagadish
15.20	FFS	1	30	All SMS
15.21	Farm innovators meet	1	100	All SMS
15.22	Awareness programs	2	100	All SMS
15.23	Others, pl. specify Lectures delivered	60	2400	All SMS

16. Activities proposed as Knowledge and Resource Centre during 2015-16

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	Display of Agri-Horti Technologies through Demonstrations in KVK Farm	0.4 ha	PC, Farm Manager Somashekhar JM Prashanth. P.R. Ramesh ,BH Gowda, K.N.Jagadish & Radha R Banakar
16.1.2	Demonstration Units	• Seed Processing Unit • Precision Farming • Model Nursery Unit • Cold Storage cum seed sales unit • Vermi-compost • Bio-digester • VAM Production unit • Coconut Germplasm collection • Bio liquid formulations • Livestock (Hallikar) • Arka cocopeat production unit • Polybag filling machine unit • Sealer cum Healer unit • Fruit fly traps Production • Amla Processing Unit • Terrace gardening • Farm pond with Plastic lining.	01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	Somashekhar Prashanth J.M. Prashanth J.M. Somashekar P.R. Ramesh P.R. Ramesh P.R. Ramesh Prashanth J.M P.R. Ramesh P.R. Ramesh P.R. Ramesh Prashanth J.M B.Hanumanthe gowda P.R. Ramesh Radha R. Banakar Prashanth J.M
16.1.3	Lab Analytical services	Soil, water and Leaf analysis	01	P.R. Ramesh
16.1.4	Technology Week	• Seed Production Techniques • Propagation Techniques in horticulture crops & Farm Mechanization • Bio Pesticides & Bio control agents	01	Somashekar Prashanth J.M. B.Hanumanthe gowda, P.R.Ramesh

		• Bio Fertilizers& Micronutrients & Organic farming practices • Value Addition in food crops • New Technologies of IIHR		Radha R. Banakar Prashanth J.M & Parshuram K.N.Jagadish

16.2 Technological Products

Sl. No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2015-16	Names of the team members involved
16.2.1	Seeds			
		Vegetable varieties	1960 Kg	Dr. Somasheka , Prashanth JM , PR Ramesh , Parshuram , Radha R. Banakar
		Ragi	500 kg	
		Fox tail millet	200 kg	
		Redgram- BRG4	500kg	
16.2.2	Planting materials			-
		Mango, Guava, Arecanut, coconut , Tamarind Jamoon , Lime Vegetables seedlings	1.22 lakh	Prashanth JM , Somashekar, PR Ramesh, KN Jagadish & Parshuram
16.2.3	Bio-products			
		Fruit fly trap, Sealer cum Healer Neem & Pongamia Soap	25000 1000 kg 3000 kg	PR Ramesh, Hanumantegowda, Shashidhar.K.N
		Arka Microbial consortium	2.0 ton	PR Ramesh & Hanumantegowda
		VAM	3.0 ton	PR Ramesh & Hanumantegowda
16.2.4	Livestock strains			
16.2.5	Fish fingerlings			
16.2.6	Other Products	Amla value added products	Juice-1000 ltrs Candy-100kg Supari-25 kg	Radha R. Banakar

		Ragi value added products	Ragi Malt- 50 kg	
	Micronutrient products	Banana Special Vegetable Special Mango Special Citrus special	3 ton 2 ton 2 ton 1 ton	P R Ramesh ,Hanumanthegowda & Shashidhar.K.N
	Arecanut plate Making	Arecanut plate	0.20 Lakh	Shashidhar.K.N

16.3 Technological Information

	Category	**Technological capsules / Number**	**Names of the team members involved**
16.3.1	Technology backstopping to line departments		
	Agriculture	Bio Pesticides, Bio control agents & Bio fertilizers	Somashekar, Ramesh P.R. & Radha R Banakar Ramesh & BH Gowda
	Horticulture	Seed to Seed in French Bean, Okra , Onion Propagation Techniques in Horticulture Crops High Density planting in Horticulture Crops Micronutriments in Horticulture Crops Protected cultivation	Dr. Somashekar & Prashanth J.M. Prashanth J.M. , Dr. Somashekar Ramesh P.R & Prashanth JM Prashanth JM
	Animal Husbandry	-	-
	Fisheries	-	-
	Agricultural Engineering	-	-
	Sericulture	-	-
	Others, pl. specify		
16.3.2	Literature/publication	15	All Staff members
16.3.4	Electronic Media	05	All Staff members
16.3.5	Kisan Mobile Advisory Services	30	All Staff members
16.3.6	Information on centre/state sector schemes and service providers in the district.	10 Date of completion : October ,2015	All Staff members

17. Additional Activities Planned during 2015-16

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	RKVY ,GOI	Participatory Vegetable Seed Production and distribution system	• Establishment of seed processing unit (1500 sq ft.) • Establishment of seed cold storage & retail outlet (1000 sq ft.)	40 Lakhs	Dr.N.Loganandhan Dr. Somashekhar
17.2	CRIDA, Hyderabad	Technology demonstration component - NICRA	• Community nursery -01 • Farm ponds -12 Nos • Check dams -02 • Institutional arrangements-02 • Crop production -80 ha • Dry land Horticulture -10 ha • Leveling -2ha • Trench cum bunding -2 ha • Mixed trees spp -15 ha • IFS- 2 ha	30 Lakhs	PC & ALL SMS
17.3	• NHM, GOK	• Establishment model Nursery at KVK Hirehalli	• Polyhouse 500 sqmt	6 Lakhs	PC & Prasanth JM, Somashekhar and Jagadish KN

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2014 (Rs.in Lakh)	Expenditure incurred during 2014-15 (Rs.in Lakh) as on 31.01.2015	Receipts during 2014-15 (Rs.in Lakh)	Closing balance as on 31.01.2015 (Rs.in Lakh)	Expected closing balance by 31.03.2015 (Including value of material in stock)
33,42,292	**3,15,737**	**2,82,892**	**51,83,748**	**60,35,870**

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	**3,112** kg	9.61 Lakhs	Somshekhar, Prashanth J.M.
18.2.2	Planting material production	1.22 Lakhs seedlings	18.10 Lakhs	Prashanth J.M.,K.N.Jagadish & Somshekhar,
18.2.3	Arka Microbial consortium	2000 kg	1.5 Lakhs	P R Ramesh & BH Gowda
18.2.4	Micronutrient special	8000 kg	12 Lakhs	P R Ramesh & BH Gowda
18.2.5	Soil , water & leaf analysis	2500 Nos	2.5 Lakhs	P R Ramesh & BH Gowda
18.2.6	Neem and Pongamia Soap	4000 kg	4.25 Lakhs	B.H Gowda , P R Ramesh, Shashidhar K.N
18.2.7	Mango fruit fly trap and Healer cum Sealer	25000 Nos. and 1000kg	26 Lakh	B.H Gowda , P R Ramesh, Shashidhar K.N
18.2.8	Arecanut plate making	20000 Nos.	30000	Shashidhar K.N
18.2.9	Mushroom Spawn	1500 kg	90000	Radha R. Banakar , Somshekhar
18.2.10	Amla Juice/Candy/Supari -	1000 lts/100kg/25kg	2.16 lakhs	Radha R. Banakar, Somshekhar
18.2.11	Ragi Malt	50 kg		

19. Activities of soil, water and plant testing laboratory during 2015-16

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	1000	P.RRamesh, & Shashidhar K.N
19.2	Water	500	P.RRamesh & Shashidhar K.N
19.3	Plant (Leaf Analysis)	1000	P.RRamesh, B.H.Gowda,& Shashidhar K.N
19.4	Others		

20. E-linkage during 2015-16

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	-	-	-
20.2	-	-	-
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		
21.2		

22. Innovative 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	28th February 2016
22.3	Brief action plan in this regard	Innovative farmers will be invited & awarded

23. Farmer's Field School planned

Sl. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1	ICM	**Integrated Crop Management (ICM) in Chilli**	30,000

National Initiative on Fodder Technology Demonstration (NIFTD) 2015-16

Sl.No.	Technologies	No. of Demonstration	Approximate Budget
1.	Round the year forages :Bajra napier grass (BNH-10/ CO-3)	3	15000
2.	Rainfed forage production: Forage sorghum (COFS-29)	4	10000
3.	Horti-pasture model: Coconut/Mango + Guinea grass/Cowpea	3	10000
4.	Silvipasture model*: Melia dubia* (tree) + Guinea grass	1	5000
5.	Urea treatment of crop residues	4	10000
6.	Silage preparation/hay making	3	
7.	Area specific mineral mixture	3	
	Total	**21**	**500000**

Integrated Farming System

Integrated Farming System as Diversified Agriculture /Livelihood

Intervention	No. of farmers	Area, ha	Cost per unit (in Rs.)	Total (in Rs.)
• Agri- Horti. Silvi- Pasture system • Compost pit • Fish rearing • Farm Pond • Honey Bee • Bio digester • Nutrition garden	05 (1 Per taluk)	5 ha	10,000	50,000

24.Budget - Details of budget utilization (2014-15) upto 28th Feb 2015

(Rs.)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	8300000	8300000	8248150
24.1.2	**Traveling allowances**	114000	114000	118378
24.1.3	**Contingencies**			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	50000		279125
B	POL, repair of vehicles, tractor and equipments	50000		282766
C	Meals/refreshment for trainees	20000		88316
D	Training material	20000		11534
E	Frontline demonstration except oilseeds and pulses	215000		128598
F	On farm testing	45000		38350
G	IFS	10000		0
H	Training of extension functionaries	10000		24793
I	Maintenance of buildings	0		0
J	Extension activities	10000		22650
K	FFS	10000		0
L	NIFTD	10000		0
M	Library (Purchase of Journal, Periodicals, News Paper and Magazines)	0		0
24.1	**Total Recurring**	450000	450000	9242660
24.2	**Non-Recurring Contingencies**			
24.2.1	Works			
24.2.2	Equipments including SWTL & Furniture			
24.2.3	Vehicle (Four wheeler/Two wheeler, please specify)			
24.2.4	Library (Books and Journals back vol)			
24.2	**Total Non Recurring**			
24.3	**REVOLVING FUND**			**2913241**
24.4	**GRAND TOTAL (A+B+C)**	**8864000**	**8864000**	**12155901**

25. Details of Budget Estimate (2015-16) based on proposed action plan

Sl. No.	Particulars	BE 2015-16 proposed (Rs. In Lakhs)
1	**Recurring Contingencies**	
1.1	Pay & Allowances	143.63
1.2	Traveling allowances	5.00
1.3	**Contingencies**	16.7
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00
B	POL, repair of vehicles, tractor and equipments	4.50
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	2.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	2.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.61
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.29
G	Training of extension functionaries	0.50
H	Library	0.50
I	Extension Activities	1.00
J	Farmers Field School	0.30
K	IFS	0.50
L	NIFTD (National Initiative on Fodder Technology Demonstration)	0.50
	TOTAL Recurring Contingencies	**165.33**
2.	**Non-Recurring Contingencies**	
a.	Works	100.00
b.	Equipments including SWTL & Furniture	27.00
c.	Vehicle (Four wheeler/Two wheeler, please specify)	-
d.	Library (Purchase of assets like books & journals)	0.10
	TOTAL Non-Recurring Contingencies	**127.10**
3	**REVOLVING FUND**	-
	GRAND TOTAL	**292.43**