ACTION PLAN OF KVKs IN ZONE VIII FOR 2013-14

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,TUMKUR-572 168 Phone:0816-2243792 Fax:0816-2243214 Email: iihrkvk@gmail.com
1.2	Name and address of host organization	:	INDIAN INSTITUTE OF HORTICULTURAL RESEARCH Hessaraghatta Lake Post, Bangalore-560089 Phone:080- 28466420 Fax:080-28466291 Email: director@iihr.ernet.in ,diriihr@icar.org.in , iihrdirector@gmail.com
1.3	Year of sanction	:	28th March, 2009
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	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.1	Programme Coordinator	Dr. L.B.Naik	Agronomy			26.3.2007	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	2.12.2009	Permanent
2.6	Subject Matter Specialist	Ms. Radha R.Banakar	Home Science	15600 - 39100+5400	5400	5.12.2009	Permanent
2.7	Subject Matter Specialist	Dr. Somashekhar	Plant Breeding	15600 - 39100+5400	5400	7.12.2009	Permanent
2.8	Programme Assistant	Sri K.N.Shashidhara	Crop Physiology	9300 -	4200	17.10.2012	Permanent

				34800+4200			
2.9	Computer Programmer	Ms. Jyoti Appu Naik	Computer Programmer	9300 - 34800+4200	4200	30.9.2009	Permanent
2.10	Farm Manager	Vacant	Farm Manager				
2.11	Accountant/Superintendent	Vacant	Accounts				
2.12	Stenographer	Smt. Veda Kurnalli	Stenographer	5200 - 20200+2400	2400	17.2.2010	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	4.1.2010	Permanent
2.15	Supporting staff 1	Sri P.Narayanappa	Supporting staff	5200 - 20200+1800	1800	24.7.2009	Permanent
2.16	Supporting staff 2	Sri G.Manjanna	Supporting staff	5200 - 20200+1800	1800	1.11.2012	Permanent

3. Details of SAC meeting conducted during 2012-13

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2013-14
3.1	**31.8.2012**	Schemes like NHM, RKVY projects can be implemented effectively for farmers progress.(Dr. A.S.Sidhu , Director, IIHR, Bangalore)	Quality seeds are being produced & processed. These being sold in KVK at nominal prices	31.5.2013
3.2		Emphasized should be given on cluster basis for implementation of the FLD in the farmers field. (Dr. V.S.Reddy , Principal Scientist, ZPD, Bangalore)	During ensuing year FLD's & OFT's are being conducted in cluster villages in each taluk.	
3.3		Farmer expressed about the higher cost fixed by KVK for the products like *Trichoderma* & *Pseudomonas* (Sri Prabhakar , Farmer, SAC Member)	New product has been released at IIHR (Arka Microbial Consortium) at affordable price of Rs 75/kg.	
3.4		Soil testing is not being done and suggested the Mobile Testing Unit at least for testing major Nutrients especially whenever problematic soils prevails. (Deputy Director of Sericulture Department)	New Soil Testing & Leaf Tissue Analysis Lab is being setup & will be operational at the earliest.	

3.5		Drip irrigation is being given major emphasis , in spite of this , scientifically Drip Irrigation is not being utilized ,for this he requested chalk out some programmes for scientific use of Drip Irrigation system.(Sri Rammurthy**,** AWARE NGO)	Under CHD Programme,KVK SMS has been actively involved for implementation of programmes.	
3.6		Importance of Small Scale Industries for getting employment and also income, especially during drought situation (Sri Annappa, Farmer)	New FLD's being proposed for generating income & self employment.	
3.7		Comprehensive Horticulture Development programme is being implemented through state Department of Horticulture. (Sri.N.Kumar Member ICAR)	All SMS's are actively involved in CHD Programme.	
3.8		• Impact analysis should be carried out for training programmes & method demonstrations to be included during training programmes. • Neem Seeds are available and can be utilized for the Bio pesticide preparation encouraging & Mobilizing through community based organization. • (Smt Renu Mukunad , Progressive Farmer)	• OFF Campus training programmes are being conducted. • Community based organizations will be set up at resource based village.	
3.9		SRI method of Paddy cultivation in Tumkur needs to be promoted & group approach for various crop cultivation to tackle the labour problem (Sri Veerabhadra ,DDM NABARD & Lavakumar,)	Aerobic Paddy Cultivation being demonstrated under FLD programme	
3.10		Suggested to give the generic name instead of the trade name of various Agriculture Chemicals. So that farmers also having choice to select his trade of interest. (Mr.N.Kumar**,** Member ICAR)	Recommendations to farmers are being given in generic name.	
3.11		Green peas - Magadi local is highly remunerative during festival & marriage season. It is susceptible to powdery mildew which needs to be addressed for new variety of peas with similar characteristics & resistant to powdery mildew. (Smt. Gowaramma , Farmer ,Pemmanahalli, SAC Member)	The same message has been conveyed to concerned breeder of IIHR, Bangalore.	
3.12		• Livestock components would have been included and also stressed integrated programmes has to be implemented rather than Horticulture. • Model Farmer has to be developed for dissemination of technologies.	• During implementation of IFS Programme components like Aquaculture (Fishery) as well as many agricultural field crops demonstrations are being conducted. • Techno agents are identified for the	

		• In KVK's Farmers has to be made aware of all the Govt. sponsored schemes. • In OFT's and FLD's suggested to take the technologies of the other Agriculture related institutes rather than IIHR. • Programmes on Value Addition are to be included in the next academic programme. • District Officers of Animal Husbandry Department could be contacted and necessary suggestion may be taken to implement the programmes related to Animal Husbandry. • (**Dr. R.S. Kulkarni** , Director of Extension , UAS, Bangalore)	dissemination of technology. • Publication will be brought in collaboration with line departments. • Apart from IIHR technologies many technologies like new varieties & improved practices of different agricultural crops are being demonstrated. (Ragi ML-365, MAS-26, BRG-4 etc.) • New FLD's have been proposed. • Awareness Camps will be conducted in collaboration with the Animal Husbandry Department.	
3.13		• Tumkur District is receiving low rainfall, animal husbandry could be the potential & assured source of income rather than crop husbandry for the Farmer. • In Sira promotion of Goat and Sheep Rearing can be encouraged. For implementing the Livestock Demonstration programme, KUVASF will come forward for implementing the technical programme for the KVK. • Joint Liability Groups approach could be a best option for promotion of rearing of animals like Goat, Sheep etc in the District. • On Cost basis: Soil and Water Testing is being done at the Hebbal Campus for identifying nutrient deficiency. This facility could be utilized by the farmers of the Tumkur District. (**Dr. K.N.Prabhudeva:** Director of Extension, KUVASF, Bidar)	• Under IFS Programme Animal Husbandry Component will be implemented. • Process was initiated in consultation with Veterinary Department. • Process was initiated in consultation with Veterinary Department. • The samples received by farmers of Tumkur district were analyzed through IIHR, Bangalore	
3.14		• Demonstration of all kinds of crops & Livestock Component can be included in the programme. • NBSS & LUP map could be utilized in broad to know the Soil Health Status of various parts of the district. • IFS Model can be developed in each Taluk, where a Model Farmer has to be in touch with the KVK, every year, fund will be released and programmes can be implemented.	• KVK instructional farm presently having 52 demonstrations of crops & enterprises. • The services of NBSS & LUP was utilized for mapping of soils of the district. • Two IFS models were made in Tumkur &	

		• Bigger projects funded by external agencies may hamper the regular activities of the KVK. So based on the availability of man power, various projects can be accepted and implemented by the KVK. (**Dr V.S.Reddy** , Principal Scientist, ZPD, Bangalore)	Koratagere taluk • Due care was taken during the implementation	

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2013-14

Sl. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Information and communication technology, Initiative for inclusive agricultural development	Department of Agricultural Extension & Rural Society, TNAU,Coimbatore-641003	Expert System
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	Empowerment of farming community through hybrid communication tools	Division of Extension Education, IVRI, Izatnagar- 243122	Expert System
4.1.4	Current trends in commercial horticulture	ASPEE College of Horticulture & Forestry, Navsari Agricultural University, Navsari-396450	New Technologies in Agri-Horti-Silivi
4.1.5	Rootstocks in resilient horticulture production system	Division of Plant Physiology and Biochemistry, Indian Institute of Horticultural Research, Hessaraghatta, Bangalore-560089	To demonstrate Dry Land Horticulture for drought situation.
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,	To demonstrate NRM intervention in NICRA site to combat Climate Change

		Saidabad, Hyderabad-500059	
4.1.8	Managing IP under PVP and PGR	Directorate of Sorghum Research, Rajendranagar,Hyderabad-500030	
4.1.9	Emerging paradigms in seed production, Plant Variety Protection, value addition and quality assurance for enhancing productivity and sustainable crop production	Division of seed science and Technology, IARI, Pusa Campus, New Delhi-110012	Quality Seed Production & Marketing

4.2. Cross-learning across KVKs during 2013-14

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring –KVK, Konehalli ,Tiptur,Tumkur	Minor Millets
4.2.2	Within the zone - Namakkal KVK	Animal Science
4.2.3	Outside zone –KVK, Ahmednagar	Nursery & Bio products

5.Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2013-14

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	Information on Bio fuel
5.2	KVK, Chitradurga	Seed Production techniques, Neem and Pongamia soap	Groundnut Decorticator
5.3	KVK, Hassan	Vegetable Special & Banana Special, vegetable seed kit	Animal Rearing
5.4	KVK, Ramanagar	Vegetable seed kit , Neem and Pongamia soap	Sericulture
5.5	KVK, Konehalli ,Tiptur,Tumkur	Seeds, seedlings and micronutrients	Dairy

6. Operational areas details proposed during 2013-14

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	Water Scarcity and low yield	27827 ha	Koratagere : D, Nagenahlli, Hosapalya, Baichanahalli, Vaddarahalli Sira: Honnagundanahalli	FLD ,Trainings & Field days
6.2	Ragi	Drought, Use of local varieties and low yield.	87000 ha	Koratagere : D, Nagenahlli, Hosapalya, Baichanahalli, Vaddarahalli Tumkur : Hirehalli, Haraluru, Sangapura, Kolihalli, Chikkahalli Sira: Sakshihalli, Bukkapattana, Tuppadakona,Kumbarhalli,Ramalingapura,	FLD ,Trainings & Field days
6.3	Redgram	Delayed Monsoon and Pod borer and sterile mosaic disease in red gram.	8628 ha	Tumkur: Hebburu, Doddahoasuru Sira: Sakshihalli, Bukkapattana, Tuppadakona,Kumbarhalli,Ramalingapura, Madugiri: Buduvanahalli, Somapura ,Dabbegatta	FLD ,Trainings & Field days
6.4	Groundnut	Tikka Disease , leaf minor, low income	71000 ha	Pavagada:Venkatapur, Arasikere Sira: Sakshihalli, Bukkapattana, Tuppadakona,Kumbarhalli,Ramalingapura,	OFT ,FLD,Trainings & Field days
6.5	Tomato	Poor Soil and Nnutrient Management, Water scarcity, Low keeping quality	232 ha	Tumkur: Belgumba, Hiregundagal, Chikkagundagal, Karatagere: D, Nagenahlli, Hosapalya, Baichanahalli	FLD ,Trainings & Field days
6.6	Brinjal	Bacterial wilt and Shoot & fruit Borer in Brinjal	170 ha	Tumkur: Belgumba, Hiregundagal, Chikkagundagal Karatagere: D, Nagenahlli, Hosapalya, Baichanahalli	FLD ,Trainings & Field days
6.7	Mango/ Jamoon	Monocropping, Stem Borer Powdery mildew, Fruit fly and hoppers in Mango	3000 ha	Tumkur: Hebburu Doddahosuru, Nagavalli Koratagere: D, Nagenahlli, Eairaksandra, Harohalli	OFT,FLD ,Trainings & Field days

6.8	Banana	Low plant Density, poor nutrient management & lack of pre and post harvest technology management.	2500 ha	Tumkur: Hebbur, Anupanahalli Sira: Honnagundanahalli	OFT,FLD ,Trainings & Field days
6.9	Papaya	Low fruit setting, flower dropping, Ringspot virus and low yield	100 ha.	Tumkur:Hirehalli,Kolihalli,Harlur,Hebbur	OFT,FLD ,Trainings & Field days
6.8	Arecanut	Monocropping ,Anabe Roga & Nut splitting	15000 ha	Tumkur: Hebbur, Anupanahalli Sira: Honnagundanahalli,Kallambal	OFT,FLD ,Trainings & Field days
6.9	Coconut	Basal stem rot , Monocropping	32,000 ha	D.Nagenahalli, Mallasandra, Balenahalli	OFT ,Trainings
6.10	French bean	Non availability of quality seed of improved varieties, Market price fluctuation if grown as vegetable	70 ha.	Tumkur:Kesarumadu, Siddapura, Honnudike, Nagasandra, Sira: Sakshihalli, Bukkapattana, Tuppadakona,Kumbarhalli,Ramalingapura,	FLD ,Trainings & Field days

7. Technology Assessment during 2013-14

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
7.1	Groundnut	Smaller pod size & Lower yield	Assessment of groundnut varieties	T1:Use of TMV -2					5	10000	No. of pods per plant, % of Foliar Disease incidence	Somashekhar, Radha Banakar & Jagadish K N
				T2: KCG- 2	UAS, Bangalore	Seeds	20kg	1000				
				T3-KCG-6	UAS, Bangalore	Seeds	20kg	1000				
7.2	French bean	Inefficient use of land, weed menace, low soil fertility, lower income	Assessment of Arecanut - French bean intercropping system for high soil fertility and higher income	TO 1 : FP Mono cropping	FP	Soil sample analysis- (Before & after implementation.)	8 Nos.	100/ sample	07	13800	Plant height, No of days for flowering, no. of pods per plant, Yield per plant,	Prashanth J.M. K.N.Jagadish , Somashekar& P.R. Ramesh
				TO 2: RPP Areca nut + Vegetable Cowpea (0.8 ha)	UAS, Bangalore	Cowpea- Soil sample analysis-	12kg 8 Nos.	150/kg 100/ sample				

				TO 3 : Areca nut + Vegetable French bean (Arka Suvidha) (0.8 ha)	CPCRI	French beans- Soil sample analysis-	48kg 8 Nos.	200/kg 100/ sample			Organic carbon content and economics	
7.3	Mango	Low soil fertility, Monocropping, Lower income	Assessment of Redgram: Greengram (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	4380	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
				TO 2: Mango + Horsegram	UAS, Bangalore	Horsegram Seeds Soil sample	4 Kg 6 sample	100 100				
				TO 3 : Mango + Red gram - Green gram (1:4)	IIHR Bangalore	Red gram Green gram Soil sample	2 Kg 20 kg 6 sample	90 100 100/ sample				
7.4	Coconut	Severe incidence of Basal stem rot disease results in destroying the entire tree.	Assessment of technology for Management of Basal stem rot (Ganoderma wilt) in Coconut	TO 1 : No Fungicide application, Red clay Soil mud painting and Nail piercing							% Initial inoculum , % Disease Incidence, No. of nuts/palm, Residual toxicity	B.H.Gowda Prashanth J.M. P.R.Ramesh, K.N.Jagadish & Shashidhara.K.N.
				TO 2 : Root feeding of 3% Hexoconazole for every 3 months + addition of 5kg Neem cake and 50gms of Trichoderma viridae with 10 kg of FYM/Palm (UASB)	UAS, Bangalore	Hexoconazole Neem cake *Trichoderma viridae*	400 ml 500 kg 5 kg	11360	5	56800		

				TO 3 : Application of 10ltrs Cow urine + 10 Kg Cow dung slurry + 1 Kg of Lime + Trichoderma viridae 250 gms /tree (ITK)	ITK	Lime *Trichoderma viridae*	100 kg 25 kg					
7.5	Vegetables		Assessment of effective storage method for prolongation of shelf life in Vegetables	T1: Farmers practices				1000 1500	5	12500	Shelf life of vegetables	Radha R.Banakar & Somashekhar
				T2 : Janatha Sheetak	UASD	Janatha Sheetak	1					
				T3: Vegetable preservator	CRIDA Model	Vegetable preservator	1					

8. Technology Refinement during 2013-14

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 2013-14

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													
1.		Paddy	Lower water use efficiency	Aerobic paddy cultivation : Direct sowing MAS-26 Along with POP (25X25 cm spacing FYM: 10 ton/ha 100:50:50 NPK Kg/ha Use of cono weeder & Lesser water requirement (30-40% less))	Variety	MAS-26	UAS, Bangalore	Seed rate 7kg/ha Azospirillum PSB	1.4kg	685	10	6850	Plant Height, No. of tillers per plant,, yield	P.R.Ramesh, K.N.Jagadish & K.N.Shashidhara
9.2	Millets													
1.		Ragi	Delayed monsoon, long duration ragi ,Moisture stress, Use of low yielding varieties	**Drought tolerant ragi ML -365** : Along with POP (RDF : 50:40:25 NPK kg/ha FYM : 7.5 t /ha Carbendazim @2 gm/kg seed *Azospirillium* @ 2 kg/ha PSB @ 2 Kg/ha)	Variety	ML-365	UAS, Bangalore	Ragi - 12kg/ha	5kg	200	12	2400	Plant height, Girth, No. of ear heads. yield	P.R.Ramesh, Radha R.Banakar, K.N.Jagadish & K.N.Shashidhara
9.3	Oilseeds													
9.4	Pulses													

1		Red gram	Use of local variety, Pod borer	Enhancement of Red gram yield through HYV BRG-2 variety	Variety	BRG-2	UAS, Bangalore	Seeds	7.5kg	600	20	12000	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
9.5	Commercial crops													
9.6	Horticultural crops													
Fruits														
1.		Papaya	Low yielding varieties, Low T. S.S & PRSV	Popularization of High yielding variety Arka Prabhat in Papaya	Variety	Arka Prabhat	IIHR, Bangalore	Papaya seedlings	600 plants	6160	05	30800	Yield per plant, TSS, PRSV	Radha Banakar & Prashanth J.M.
2.		Banana	Low density and low yield	Maximization of yield through High density planting of Banana(G-9)	variety	G-9	NRC Banana, Thrichy	Banana suckers	1040 plants	10400	05	52000	Plant height, Pseudo stem girth, days taken for flowering, no. of fingers per bunch, weight of the fingers, bunch weight & yield	Prashanth J.M.. P.R.Ramesh& KN Jagadish

3.		Jamoon	Water scarcity, drought condition	Introduction of Dry land Horticulture crop - Jamoon **:** High density planting- 5x 5 mt	variety	Gokak/ Aurangabad	UHS	Jamoon grafts - .	80 plants	3200	05	16000	Plant height, No of branches per plant, % of survival ,stem girth	Prashanth J.M., P.R Ramesh & K.N .Jagadish
4.		Mango	Stem borer infestation destroys the entire tree, Heavy fruit infestation, Fruit damage due to improper harvesting High cost of ripening, Improper packing	ICM in Mango **:** Demonstration on: Sealer Cum Healer , Use of Pheromone Trap for control of fruit fly, Mango harvester, low cost ripening chamber & packing	variety	Alphonso	IIHR, Bangalore	Sealer cum Healer **,** Dichloro vos Fruit fly traps Mango Harvester , low cost poly tent & Boxes	2kg/ tree 50ml/ Tree 8 traps/ 0.5ha 1 1 50	2375 240 4000	10 blocks of 10 trees each(100 trees) 40 5	23750 9600 20000	% damaged portion, no. of grubs present , no. of dieback branches & yield % of fruit damage, % reduction in man days, BC ratio for fruit packing in boxes	B.H.Gowda, Radha R.Banakar P.R.Ramesh, K.N.Jagadish & K.N.Shashidhara
									Total Cost			**53350**		
5.		Papaya	Low Soil Fertility, flower drops, low fruit setting & low yield	Papaya special as a foliar spray for quality fruit production : Papaya special @ 2 g/lit (5 sprays) 4 months after planting	variety	Arka prabhat, Redlady	IIHR, Bangalore	Papaya special	10 kg/trail	1500	10	15000	Yield,TSS	P.R.Ramesh, K.N.Jagadish, Prashanth J.M & B.H.Gowda

Vegetables														
1		Solanaceous vegetable crops	Poor crop stand due to root rot and wilt	Popularization of Seedpro – A microbial plant growth promoter against soil borne pathogens in Solanaceous vegetable crops	Variety	F1 hybrid	IIHR, Bangalore	Seed pro	50 gm/acre	100	20	2000	% disease incidence, Total plant population, Yield	B.H.Gowda, P.R.Ramesh, K.N.Jagadish & K.N.Shashidhara
2		Brinjal	Severe incidence of fruit and shoot borer and high chemical residue	Eco-friendly management of Brinjal shoot and fruit borer: Erection of pheromone trap @ 1 for 400 sq.m. (Lure changed once in 21 days) Release of *T.chilonis* @ 50,000/ha Bt spray at peak flowering @1ml/L two time	hybrid	F1 hvbrid	IIHR, Bangalore	Pheromone trap *T.chilonis* eggs Bt Formulation	10 traps 20000 Eggs 500 ml	875	12	10500	% damage , Yield	B.H.Gowda, P.R.Ramesh, K.N.Jagadish & K.N.Shashidhara
3		Tomato	Bacterial wilt, leaf curl & Low yield	Introduction of Triple resistant hybrid Arka Rakshak F1 hybrid tomato	Hybrid	Arka Rakshak F1	IIHR Bangalore	Seeds	200gms	Rs . 1000	6	6000	% incidence of diseases , plant height, No. of branches per plant, No. of fruits per plant, Yield	Somashekhar & Prashanth J.M.
4		French bean	Non availability of quality	Seed production of French bean Var. Arka	Variety	. Arka Suvidha	IIHR Bangalore	Arka Suvidha-	65kg /ha	Rs. 1950	10	19500	Plant height, No. of	Somashekhar & Prashanth J.M.

			seed of improved varieties, Market price fluctuation if grown as vegetable	Suvidha for sustainable income									branches per plant, days taken for flowering, No. of pods / plant. yield / plant, total yield	
5		Tomato	Water scarcity, soil borne diseases and pest incidence and problem of weed menace in vegetables cultivation	Water Saving and Weed Control through Poly mulching technology in Tomato production	Hybrid	Private Hybrid	IIHR Bangalore	Polythene film mulch	50mm micron – 200 kg	Rs. 6000	05	30000	Plant height, No. of branches per plant, days taken for flowering, No. of fruits / plant. yield / plant, weed infestation, % Moisture content total yield	Prashanth J.M., Somashekhar & K.N.Jagadish
6		Tomato	Low nutrient use efficiency and soil fertility	Cost effective Arka Microbial consortium for Tomato production: Arka Microbial consortium 5kg/ha FYM 25 t/ha RDF 135:75: 60 NPK kg/ha	Hybrid	Private Hybrid	IIHR Bangalore	Arka Microbial consortium	10 kg/ha	Rs.416	12	5000	Plant height, No. of branches per plant, days taken for flowering, No. of fruits / plant. yield / plant, Root	P.R.Ramesh, K.N Jagadish & K.N.Shashidhara

													biomass, total yield	
7		Brinjal	Low yielding hybrids and bacterial wilt problem	Demonstration on Bacterial wilt resistant hybrid - Arka Anand	Hybrid	Arka Anand - F1	IIHR , Bangalore	Seeds	750 gm /ha	Rs. 750	10	7500	Plant height, % wilt incidence, No. of fruits /plant, Fruit weight, Total Yield kg/ha	Prashanth J.M. P.R.Ramesh & K.N.Jagadish
8.														
Plantation Crops														
1		Arecanut	Severe nut splitting & yield loss	Nut splitting in Arecanut	variety	Hirehalli Tall	CPCRI	Borax	30 g/tree	Rs. 900	12	10800	No. of split nuts /plant, Yield/plant	P.R.Ramesh, Prashanth J.M K.N. Jagadish & K.N.Shashidhar
2														
3	Livestock													
4	Fisheries													
9.9	Others													
1		All Vegetables	Food and nutritional insecurity among farm women Low consumption of fruits and vegetables High cost of fruits and vegetables in the	Popularization of nutritional garden	-	-	UAS Bangalore	Vegetable seed kit , Seedlings of Mango, Sapota, Drumstick,Lemon, Guava,Curry leaf, Papaya	1 kit/demo 1 seedling/demo	300	**10**	3000	Nutritional status of family members, BC Ratio,	Radha R. Banakar & Somashekhar

			market											
2		Ragi	Lack of Knowledge on Value Addition, Lower net income if sold as a grain without Value addition, Lack of awareness on Labeling & Branding	Value Addition, Labeling & Branding of Ragi Products : Preparation of Ragi Malt, Ragi papad,etc and Branding,	-	-	UAS Bangalore	Weighing Balance, Sealing Machine, Packing materials, Labels	1 each	7000	2	14000	BC Ratio after value addition, No. of man days generated	Radha R Banakar & Somashekhar
3		Vegetables	Poor germination, on uniform seedlings, Late transplantation maturity	Arka fermented coco-peat for raising quality seedlings	Hybrid Vegetables	-	I I H R, Bangalore	Arka fermented Cocopeat, Pro-trays	500kg 100	2500 2000	2	5000 4000	Germination Percentage, Biomass of seedling, No. days taken for Germination, seedling height	Ramesh,P.R., K.N. Jagadish & Prashanth J.M.
2														

10 Training for Farmers/ Farm Women during 2013-14

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 scarcity, Lack of knowledge on processing & value addition	FLD	Production and value addition techniques for Ragi	1	30	P.R.Ramesh , Radha R.Banakar, K.N.Shashidhar & K.N.Jagadish

2		Ragi	Imbalance use of nutrients	-	Nutrient management in Ragi production	1	30	P.R.Ramesh, Somashekhar & K.N.Shashidhar
3		Onion	Lack of quality seeds	-	Seed production in onion	1	25	Dr. Somashekhar
4		Redgram	Use of local seeds, lack of knowledge about productions practices	FLD	Improved production technology for red gram	1	25	Somashekhar & K.N.Shashidhar
5		French Bean	Lack of quality seeds, high fluctuation in green vegetable prices	FLD	French bean seed production	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	Not getting expected yield in vegetables crops	**-**	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		Banana	Imbalanced nutrition,	-	Micronutrient management and foliar application techniques in banana crop	1	30	P.R.Ramesh & Prashanth J.M.
4		Medicinal plants	Lack of awareness about medicinal plants and their production	-	Medicinal and aromatic crop production techniques	1	30	Prashanth J.M. & Somashekhar
5		Arecanut	Monocropping, water scarcity and nut splitting	OFT/FLD	Nutrient management in Areca nut	1	30	P.R.Ramesh & Prashanth J.M
6		Flowers	Local varieties and low yield	-	Production practices of Commercial flowers	1	25	Prashanth J.M & K.N.Jagadish
7		Vegetables crops	Water scarcity, low soil fertility and low yield	-	Drip and fertigation in vegetable and fruit crops	1	30	Prashanth J.M., P.R.Ramesh & K.N.Jagadish
8		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

9		IFS	Non sustainability in farming	FLD	Importance of Horticulture in IFS	1	30	Prashanth J.M & P.R.Ramesh
10.3	Livestock Production							
10.4	Home Science							
1		IGA	Lack of knowledge on value addition, Unemployment	FLD	Importance of Income Generation Activities	1	60	Radha R. Banakar & Somashekhar
10.5	Plant Protection							
1		Coconut	Stem bleeding, Anabe roga	OFT	IPDM in Coconut	1	30	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
2		Mango	Powdery mildew,Fruit fly and Stem Borer	FLD	Pest and Disease management in mango	1	30	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
3		Brinja**l**	Severe incidence of Shoot and Fruit Borer and high pesticide residue	FLD	Ecofriendly management of pests and diseases in Brinjal	1	30	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
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	FLD	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	40	P.R.Ramesh , K.N.Jagadish & K.N.Shashidhar
3		Organic farming	Poor soil health	-	Organic farming in Coconut	1	30	P.R.Ramesh & K.N.Jagadish
4		Soil plant, and	Poor nutrient status	-	Importance of Soil and water	1	30	P.R.Ramesh ,

		water testing			testing			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	-	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 Post harvest technology and Mal nutrition	FLD	Post harvest processing, value addition and marketing techniques in minor millets	2	60	Radha R. Banakar & Somashekhar
2		Processing & Value addition	Lack of Post harvest technology and low keeping quality	FLD	Processing of Horticulture Crops	1	60	Radha R. Banakar,
3		Processing & Value addition	Mal nutrition & Low income	-	Value addition in Ground nut	1	60	Radha R. Banakar & Somashekhar
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	FLD	Farm Mechanization	1	32	K.N.Jagadish & Prashanth J.M.
10.11	Fisheries Production Technologies							
10.12	Mushroom production							
1		Mushroom Cultivation	Mal nutrition & low income	-	Mushroom production	1	30	Radha R. Banakar & Somashekhar
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture							
	Others, pl.	IFS	Non sustainable income	FLD	Integrated farming system	2	65	P.R.Ramesh ,

	specify							Prashanth J.M & K.N.Jagadish

11. Training for Rural Youth during 2013-14

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	25	Prashanth J.M. P R Ramesh & K.N.Jagadish
11.3	Livestock Production							
11.4	Home Science							
		Minor Millets	Lack of knowledge on processing & value addition	FLD	Processing & value addition to Minor Millets	02	50	Radha R.Banakar, Somashekhar & P.R.Ramesh
11.5	Plant Protection							
		Solanaceous Vegetables	High wilt disease incidence and poor crop stand	FLD	Management of wilt and Root rot diseases of Solanaceous vegetables	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 production	1	35	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 2013-14

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	25	Somashekar & Prashanth JM
12.2	Home Science				
		Health & Nutrition	**2**	60	Radha R Banakar & Somashekar

12.3	Capacity Building and Group Dynamics				
12.4	Horticulture				
		Use of Arka Microbial Consortium in Vegetable production	1	25	P R. Ramesh , Prashanth JM & K.N.Jagadish
		Micronutrient management in Horticulture crops	1	25	P R. Ramesh , Prashanth JM & K.N.Jagadish
		High density planting in horticulture	1	25	Prashanth J.M , P R. Ramesh & K.N.Jagadish
12.5	Livestock Production & Management				
12.6	Plant Protection				
		IPDM in Areca nut & Coconut	1	25	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
		IPDM in Oilseed crops	1	25	B.H Gowda, P.R. Ramesh & Shashidhar.K.N
12.7	Farm Mechanization				
12.8	PHT and value addition				
		PHT in Horticulture Crops	1	30	Radha R Banakar & Somashekar
12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				

13 Vocational trainings during 2013-14

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						
		Value Addition to Ragi & Groundnut	1(5)	SHgs	25	-	Radha R Banakar & Somashekar
		Mushroom cultivation	1(3)	Youth	25	-	Radha R Banakar & Somashekar
13.3	Capacity Building and Group Dynamics	Honey bee keeping	1(3)	Youth	20	ATMA	K.N.Jagadish & P.R Ramesh
13.4	Horticulture						
		Propagation techniques in horticulture crops	1(5)	Youth	15	Hort dept.	Prashanth JM P R. Ramesh & K.N.Jagadish
13.5	Livestock Production & Management						
13.6	Plant Protection						
		Mass Production of Bio-control agents	1(3)	Youth	20	-	Hanumanthegowda, PR Ramesh & Shashidhar.K.N
13.7	Farm Mechanization						
13.8	PHT and value addition						
		Value addition and market linkage techniques in Amla	1(3)	SHG	25	KAMPA Bangalore	Radha R banakar & Somashekar
13.9	Production of Inputs at Site						
		Neem and Pongamia soap preparation	1(5)	Youth	25	-	BH Gowda, P.R. & Ramesh

		Production technology of Arka Coco peat	1(3)	Youth	15	-	P.R. Ramesh & K.N.Jagadish
13.10	Sericulture						
13.11	Fisheries						

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

14 Sponsored trainings during 2013-14

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						
		Seed Production in Vegetable Crops	2(1)	Youth	60	Dept. of Horticulture	Somashekar & Prashanth JM
		Seed Production techniques	2(1)	Youth	60	Dept. of Agriculture	Somashekar & Prashanth JM
14.2	Home Science						
		Value addition to minor millets	3(1)	SHGs, Women	100	Agriculture Dept.	Radha R Banakar & Somashekar
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture						
		High density Planting in Horticulture Crops	2(1)	Youth	80	Dept. of Horticulture	Prashanth JM P R. Ramesh K.N.Jagadish & Somashekar
14.5	Livestock Production & Management						
14.6	Plant Protection						

		IPDM in Coconut	1(3)	Rural youths	30	Dept. of Horticulture	Hanumanthegowda, PR Ramesh & Shashidhar.K.N
		IPM in Groudnut	1(3)	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	Bio digester	1 (1)	Youth	30	Agriculture Dept.	P R. Ramesh & K.N.Jagadish
14.10	Sericulture						
14.11	Fisheries						

15. Extension programmes during 2013-14

Sl.No.	Extension programme*	No. of programmes or activities	Expected No. of participants	Names of the team members involved
15.1	Advisory Services	150	750	All SMS
15.2	Diagnostic visits	30	150	B.H Gowda, Prashanth JM P R. Ramesh K.N.Jagadish & Somashekar
15.3	Field Day	15	900	All SMS
15.4	Group discussions	10	150	All SMS
15.5	Kisan Ghosthi	01	500	All SMS
15.6	Film Show	06	270	All SMS
15.7	Self -help groups	10	100	K.N.Jagadish & Radha R Banakar
15.8	Kisan Mela	2	20000	All SMS

15.9	Exhibition	10	30500	K.N.Jagadish
15.10	Scientists' visit to farmers field	25	150	All SMS
15.11	Plant/Soil health/Animal health camps	2	800	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	2	250	All SMS
15.15	Method Demonstrations	25	375	All SMS
15.16	Celebration of important days	3	180	All SMS
15.17	Special day celebration	5	150	All SMS
15.18	Exposure visits	4	100	K.N.Jagadish
15.19	Technology week,	2	425	K.N.Jagadish
15.20	FFS	2	60	All SMS
15.21	Farm innovators meet	1	100	All SMS
15.22	Awareness programs	2	75	All SMS
	Others, pl. specify			

16. Activities proposed as Knowledge and Resource Centre during 2013-14

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 IIHR Technologies through Demonstrations in KVK Farm	0.1 ha	PC, Farm Manager Somashekhar JM Prashanth. P.R. Ramesh BH Gowda, K.N.Jagadish & Radha R Banakar
16.1.2	Demonstration Units	Neem & Pongamia Soap Production unit	01	Hanumanthegowda
		Food Processing Unit	01	Radha R Banakar
		Shredding Machine Demo Unit	01	Prashanth J.M.
		Areca Plate making demo unit	01	K.N.Shashidhara
		Tissue Culture Lab	01	Somashekar
		Seed Processing Unit	01	Somashekar
		Precision Farming	01	Prashanth J.M.

		Protected cultivation Cold Storage cum sales unit Vermi-compost Bio-digester	01 01 01 01	Prashanth J.M. Somashekar P.R. Ramesh P.R. Ramesh
16.1.3	Lab Analytical services	Soil Analysis and Leaf analysis	01	P.R. Ramesh
16.1.4	Technology Week	• Seed Production Techniques • Propagation Techniques • Bio Pesticides & • Bio Fertilizers • Value Addition • Farm Mechanization • New Technologies of IIHR	02	Somashekar Prashanth J.M. B.Hanumanthe gowda, P.R.Ramesh Radha R. Banakar Prashanth J.M K.N.Jagadish

16.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2013-14	Names of the team members involved
16.2.1	Seeds			
		IIHR released vegetable varieties	1960 Kg	Dr. Somasheka & Prashanth JM
16.2.2	Planting materials			-
		Mango, Guava, Arecanut, coconut , Tamarind Jamoon , Lime Vegetables	2.0 lakh	Prashanth JM Somashekar PR Ramesh & KN Jagadish
16.2.3	Bio-products			
		Trichodermma, Pseudomonas Neem Soap, Pongamia Soap	3.7 Tonnes	Hanumantegowda, B PR Ramesh & Shashidhar.K.N
		Arka Microbial consortium	1.0 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-100 kg	
	Micronutrient products	Banana Special Vegetable Special Mango Special Arka microbial consortium	2 ton 1 ton 0.5 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	Seed to plate in Groundnut and Ragi Bio products & Bio fertilizers	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 and Model Nursery	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	12	All Staff members
16.3.4	Electronic Media	12	All Staff members
16.3.5	Kisan Mobile Advisory Services	-	-
16.3.6	Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion. **Line departments already providing data with the help of NIC Tumkur**. Date of completion : October ,2013	All Staff members

17. Additional Activities Planned during 2013-14

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	Karnataka State Amla Campaign	Amla Campaign	• Planting of Amla Seedlings in the Schools & Colleges	3 Lakhs	Prashanth J.M & K.N.Jagadish
17.2	NHM, GOK	Seed production in vegetables	• French bean -3000kg • Onion-500kg • Okra-1000kg	4 Lakhs	Dr. Somashekar
17.3	RKVY ,GOI	Participatory Vegetable Seed Production and distribution system	• Establishment of seed processing unit (1500 sq ft.) • Establishment of seed cold storage & retail outlet	40 Lakhs	Dr. Somashekar
17.4	Karnataka State Amla Campaign	Amla Campaign	• Demonstration cum training programme on Amla value addition (200 members)	1.8.lakhs	Radha R Banakar & Somashekar
17.5	CRIDA, Hyderabad	Technology demonstration component -NICRA	• NRM • Crop production • Institutional arrangements • Custom hiring centers	30.0 Lakhs	PC & ALL SMS
17.6	NHM, GOK	Establishment Model Nursery at KVK Hirehalli	• Production of seedlings (2 lakhs/year)	25 Lakhs	Prashanth J.M, K.N.Jagadish & Somashekar
17.7	NHM, GOK	Leaf Tissue analysis laboratory	• Establishment of Lab • Diagnosing samples	20 Lakhs	P.R. Ramesh & B.H Gowda
17.8	ATMA, GOK	Research activities	• Assessment of intercrops in Areca nut and coconut & Mango • Seed production • Plant protection • Value addition • Soil health management	2.0 lakhs	All SMS
17.9	NHM, GOK	Establishment Of Plant Health Clinic	• Establishment of Lab • Diagnosing samples	20 Lakhs	B.H.Gowda, P.R. Ramesh & Shashidhar K.N

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2012 (Rs.in Lakh)	Expenditure incurred during 2012-13 (Rs.in Lakh)	Receipts during 2012-13 (Rs.in Lakh)	Closing balance as on 31.03.2013 (Rs.in Lakh)	Expected closing balance by 31.03.2013 (Including value of material in stock)
7,62,423	**1,68,242**	**11,58,010**	**20,88,675**	**22,56,917**

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 of Vegetables	1960 kg	4 Lakhs	Somshekhar, Prashanth J.M.
18.2.2	Planting material production	2 Lakhs seedlings	31 Lakhs	Prashanth J.M.,K.N.Jagadish &Somshekhar,
18.2.3	Arka Microbial consortium	1000 kg	1 Lakhs	P R Ramesh & BH Gowda
18.2.4	Mango special	700 kg	1.05 Lakhs	P R Ramesh
18.2.5	Soil , water & leaf analysis	2000 Nos	2.0 Lakhs	P R Ramesh & BH Gowda
18.2.6	Neem and Pongamia Soap	3000 kg	2.3 Lakhs	B.H Gowda , P R Ramesh, Shashidhar K.N
18.2.7	*Trichoderma* and *Pseudomonas fluorescens* production	800 Kg	1.00 Lakh	B.H Gowda , P R Ramesh, Shashidhar K.N
18.2.8	Arecanut plate making	15000 Nos.	30000	Shashidhar K.N

19. Activities of soil, water and plant testing laboratory during 2013-14

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	750	P.RRamesh, & Shashidhar K.N
19.2	Water	750	P.RRamesh & Shashidhar K.N
19.3	Plant(Leaf Analysis)	500	P.RRamesh, B.H.Gowda,& Shashidhar K.N
19.4	Others		

20. E-linkage during 2013-14

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	Central of Excellence, Jan 2014	NRM - NICRA
20.2	Creation and maintenance of relevant database system for KVK	December 2013	
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	June-July 2013
22.3	Brief action plan in this regard	In collaboration with IIHR

23. Farmer's Field School planned

Sl. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	IPM	Integrated Pest Management (IPM) in Tomato	30000
23.2	Sustainable Agriculture(ARYA)	Integrated Farming System as Diversified Agriculture /Livelihood	60000

24.Budget - Details of budget utilization (2012-13) upto 31 March 2013

(Rs.)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	5235000	5235000	5234665
24.1.2	**Traveling allowances**	115000	115000	114962
24.1.3	**Contingencies**	0	0	0
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	375000	375000	375000
B	POL, repair of vehicles, tractor and equipments	335000	335000	335000
C	Meals/refreshment for trainees	75000	75000	75000
D	Training material	75000	75000	75000
E	Frontline demonstration except oilseeds and pulses	300000	300000	300000
F	On farm testing	30000	30000	30000
G	Training of extension functionaries	25000	25000	25000
H	Maintenance of buildings	25000	25000	25000
I	Establishment of Soil, Plant & Water Testing Laboratory	0	0	0
J	Library	5000	5000	5000
K	Extension Activities	30000	30000	30000
L	Farmers' Field School	25000	25000	25000
24.1	**Total Recurring**	**6650000**	**6650000**	**6649627**
24.2	**Non-Recurring Contingencies**			
24.2.1	**Works**			7771095
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**			
24.3	**REVOLVING FUND**			
24.4	**GRAND TOTAL (A+B+C)**			

25. Details of Budget Estimate (2013-14) based on proposed action plan

S. No.	Particulars	BE 2013-14 proposed (Rs. In Lakhs)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	70.0
25.1.2	**Traveling allowances**	2.50
25.1.3	**Contingencies**	0
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.00
B	POL, repair of vehicles, tractor and equipments	3.50
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	3.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	2.50
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.00
G	Training of extension functionaries	0.50
H	Maintenance of buildings	3.00
I	Establishment of Soil, Plant & Water Testing Laboratory	00
J	Library	0.25
K	Extension Activities	1.00
L	Farmers Field School	1.10
25.1	**TOTAL Recurring Contingencies**	**94.35**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	**15.00**
25.2.2	**Equipments including SWTL & Furniture**	**30.00**
25.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	
25.2.4	**Library** (Purchase of assets like books & journals)	
25.2	**TOTAL Non-Recurring Contingencies**	**45.00**
25.3	**REVOLVING FUND**	
25.4	**GRAND TOTAL**	**139.35**