ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

PROFORMA FOR 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	:	Uttara Kannada Phone/Fax : 08384-228411, Email id: kvkuks@gmail.com
1.2	Name and address of host organization	:	University of Agricultural Sciences, Dharwad Krishi Nagar, Dharwad
1.3	Year of sanction	:	2004
1.4	Website address of KVK and date of last update	:	www.kvkuttarkannada.org, 20 March 2013

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. Hemant G Hegde	Horticulture	37400-67000	10000	22.08.06	P
2.2	Subject Matter Specialist	Dr. Roopa S. Patil	Agril. Entomology	15600-39100	6000	3.12.08	P
2.3	Subject Matter Specialist	Mr. Shivashenkaramurthy	Agronomy	15600-39100	6000	28.11.11	P
2.4	Subject Matter Specialist	Miss. Akkamahadevi D. Agasimani	Horticulture	15600-39100	6000	14.12.12	P
2.5	Subject Matter Specialist	Vacant	Veterinary	15600-39100	6000		
2.6	Subject Matter Specialist	Vacant	Agriculture Engineering	15600-39100	6000		
2.7	Subject Matter Specialist	Vacant	Home Science	15600-39100	6000		
2.8	Programme Assistant	Vacant	Soil Science	9300 -34800	4200		
2.9	Computer Programmer	Smt. Annapurna F. Neeralagi,	Computer Science	9300 -34800	4200	29.03.10	P
2.10	Farm Manager	Dr. Praveen T. Goroji	Soil Science	9300 -34800	4200	13.11.08	P
2.11	Accountant/Superintendent	Mr. Somashekhariah S.L		20000-36300		14.10.11	P
2.12	Stenographer	Ms. Purnima K. Hirehal		16000-29600		12.11.09	P
2.13	Driver 1	Sri. Balappa.R. Taragar		11600-21000		6.10.09	P
2.14	Driver 2	Vacant					
2.15	Supporting staff 1	Mr. Hazrat.A.Nadaf		10400-16400		2.08.09	P
2.16	Supporting staff 2	Vacant					

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	**30.07.2012**	A proposal is to be sent to UASD to take up Voice SMS facility , to make agro advisory services more effective.	The request sent for providing facility for voice message has been considered by the University. Free facility to send voice sms to 500 beneficiaries per day has been extended to KVK under NAIP, Project. Already 200 farmers have been registered. Initial trial run has been done.	
		Taluka wise information has to be collected for best youth farmer (both Male & Female) award during Krishi Mela	Information has been collected and submitted to the University	
		It is advised to start custom hiring centre (paddy transplanter etc) with the financial assistance of University. And asked to send proposal for financial aid to UASD	Will be taken up in coming days	
		Arrange for Farmer's exposure field visit to CIAE, Bhopal by taking financial assistance of Directorate extension, UAS, Dharwad.	Proposal is submitted to PD,ATMA for funds. The programme will be implemented after receiving the funds.	
		Fodder museum with different crops and varieties may be established in the KVK.	Initiated	
		Production of Planting materials may be improved as per demand/requirement in collaboration with college of Forestry,Sirsi.	Seedlings of important varieties of Spices (Nutmeg, Blackpepper), Fruit crops(Papaya), Vegetables (Brinjal,Tomato, Capsicum) Flowers(Marigold) and products(bio digester) have been produced as per needs of farmers and distributed under Revolving Fund.	

		Seed production activities in collaboration with ARS, Sirsi is to be taken up.	30 q of Paddy (Intan) is produced during Kharif. Breeder seed production of blackgram(TAU-1) has been taken up in KVK Demonstration field during summer. Under farmers participatory programme: • Certified seed production programme of Paddy (Abhilash, Jaya, Intan) & Maize(African Tall) has taken during Kharif in Mundagod taluka. • Certified seed production programme of Blackgram(DU-1, LBG 685, DBGV 5) is initiated during summer in Sirsi Taluka	
		Establishment of demonstration units at KVK	Protected cultivation ,Azolla cultivation , Nutrition Garden demo units have been established. The proposal for establishing agro processing units is sent to ICAR.	
		Conduct demonstrations on Pulses and new variety of Ground nut in Coastal areas.	Trial on 10 varieties of groundnut initiated in Holanagadde village of Kumta Taluka. Improved blackgram varieties LBG-685, DBGV-5 and DU-1 and Green gram varieties LGG-460, BGGY-2 are being tried in Sirsi taluka	
		Conduct demonstrations on " Organic farming" with help of Organic farming Institute, UAS, Dharwad.	Many trainings and demonstrations are organized in Mundagod and Yellapur talukas. The organic products are introduced and popularized to farmers through OFTs/FLDs/Trainings	
		Invite OFT and FLD farmers to SAC Meetings	Invited	
		Promote mechanization in Paddy	Mechanized paddy transplanting is being popularized by conducting FLDs, Demonstrations and Trainings. During Kharif 2012 FLD on mechanized paddy transplanting was conducted in 10 ha area in Sirsi and Mundagod talukas. 04 Trainings , 02 Method Demonstrations have been conducted.	

			Already 12 paddy transplanters are purchased by rurual youth trained at KVK and 05 farmers groups have purchased the machines and taken it as entrepreneurship	
		Conduct research on Coastal Salanity tolerant Paddy varieties	• 7 salt tolerant varieties were assessed in Haldipur village of Honnavar Taluka. • Research to identify salt tolerant paddy varieties for coastal area was taken up in Haldipur of Honnavar Taluka. Where in 30 new varieties were tested against 2 checks.	
		Need based agro advisory services are to be sent to farmers regularly	Need based agro advisory services are being given to the farming community regularly through KMAS,Radio, TV,News Paper, Publications	
		Top priority may be given to allocation of land to KVK and filling up of vacant posts	Vacant post of SMS(Horticulture) has been filled up on 14.12.2012.	
		All literatures developed by KVK may be circulated to all officials of department	Literatures developed by KVK are being circulated to different departments, Extension personnel, Farmers, SHGs and NGOs.	
		Evaluation of suitable salt tolerant Groundnut varieties for coastal region	10 varieties of groundnut is being tested in 2 farmers fields of Holanagadde village of Kumta taluk	
		Productivity of Paddy is low in Manjuguni and surrounding villages, hence it is advised to adopt Manjuguni village and conduct demonstrations on paddy crop	Taken two FLDs on ICM in paddy in Manjuguni village. Organized trainings and method demonstrations.	
		Top priority may be given to develop modified SRI method for high rain fall areas.	The requirements for power cono weeders for weeding under SRI method and other agricultural implements like transplanters, weeders, reapers , arecanut dehuskers and other small size implements suitable for small and undulate land holding of Uttara Kananda district has been submitted to	

			CIAE,Bhopal and other concerned institution at Karwar meeting on 1-9-2012 conducted by DG,ICAR.	
		Conduct programmes on fodder processing	• Proposal to establish fodder block making unit has been sent to department of Animal Husbandry and Veterinary science under RKVY programme. • Scientific processing of fodder and importance of fodder treatment was dealt in trainings. • Submitted proposal for 3 green fodder production Hydrophonic units under IFS.	
3.2	**13.02.2013**	Voice SMSs should be sent to farmers, farm facilitators and members of SKDRP		
		Private & public sector should be involved jointly in establishing custom hiring centre for small scale agricultural equipments/machineries among progressive farmers to help other farmers		
		Exposure visit to CIAE Bhopal along with farmers is to be planned and the actions may be taken to modify the available technology to suit to this region		
		Seedlings of Garcinia , Appemidi & Jackfruit need to be developed and given to farmers. In this regard, follow SKDRDP " Sasi Koota" model and provide 1 lakh seedlings to farmers		
		Since Banana area is increasing, to develop entrepreneurship among women , plan an exposure visit to Navasari Agriculture University along with 15-20		

		farm women to educate them on extraction of banana fibre and preparation of value added products from Banana.		
		The KVK has taken up the demonstration on mechanized paddy transplanter , it is suggested to document the success stories in this regard and propose the farmers for awards from companies like Mahindra & Mahindra etc.		
		Paddy seed production of varieties like Padmarekha, Karikagga is to be taken up and popularized		
		To make agriculture profitable include Animal Husbandry, Fishery, Horticutlure, Value Addition components in IFS		
		The technologies like KMP-105, Pappad preparation from jackfruit, CMS Technology are profitable and suggested to document the same.		
		Make necessary arrangements to take over the charge of Dairy Unit which is presently attached to ARS(Paddy), Sirsi and feed may be prepared using maize following the Nippani Model fodder preparation to increase the milk yield. In this regard a proposal may be sent to University		
		Technology to convert pineapple waste		

		to fodder to increase the milk yield in dairy animal should be provided		
		Demonstration on mechnanized paddy transplanting is to be taken up in marshy lands of Gudnapur village		
		Take FLDs on new varieties of groundnut like G-2-52 instead of old varieties like TMV-2		
		OFTs should be taken up on new varieties & popularize TAG-24 for cultivation in residual soil moisture		
		Under IFS SC/ST project the farmer income has been increased from Rs. 28000 to Rs. 1,00,00. This should be documented		
		Programmes on green manuring (Diancha) should be taken		
		Introduction of Organic farming system should be taken up in collaboration with Organic Farming Institute , UASD		
		Number of voice SMS beneficiaries must be increased to 5000		
		Appropriate technologies to convert wastes of cocoa, jackfruit and pineapple into fodder need to be given		
		UASD has released more than 15 new varieties. The production technology and protection technologies of these new varieties are to be popularized through FLDs		

		Documentation of visitors to KVK is to be taken up		
		Nutrient budgeting through kitchen garden needs to be prepared and the same should be implemented in each taluka		
		Document the achievements of KVK		
		The SWTL should be used more efficiently and soil health cards are to be issued to farmers. Necessary actions to be taken to provide the micro nutrient analysis facility to the lab		
		Appropriate technology for fodder storing, processing and grain storing in rainy season. Documentation of existing farmers practices		
		Schemes available in different development departments may be made available in KVK website		

4. Capacity Building of KVK Staff

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

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Mushroom Cultivation	IIHR,Bangalore	Area is suitable for mushroom cultivation
4.1.2	Vegetable & Fruit Processing	IIHR., Bangalore	Need for scientific value addition
4.1.3	Asp.Net & Visual Studio, Sql Server	NIIT,Bangalore	Development of Need based online application for KVK
4.1.4	Vertebrate pest management	NIPHM, Hyderabad	Rodents and other wild animals are inflicting heavy damage to paddy, banana, cocoa etc. There is an urgent need to tackle these problems
4.1.5	Project planning and management in agriculture	MANAGE, Hyderabad	Proper identification and formulation of agricultural projects is need of the hour. Also develops competence required for effective and efficient administration of agricultural projects
4.1.6	Precision farming in vegetables	TNAU, Coimbatore/IIHR Bangalore	For commercial exploitation of vegetables

4.2. Cross-learning across KVKs during 2013-14

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – Gadag, Tumkur, Dharwad, Bidar	Formation of commodity groups, Post harvest and value addition, technical knowledge on horticulture crops, nursery techniques and demonstration units, pulse seed production
4.2.2	Within the zone –Kannur, Dharmapuri, Goa	Value addition, precision farming, technology capsules,Products
4.2.3	Outside zone –Ahmednagar	ICT

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	Dharwad	Sharing of technology capsules,Products	Planting Materials
5.2	Haveri	Sharing of technology capsules, Products	Services of Animal Scientist
5.3	Shivamogga	Sharing of technology capsules, Products	Sharing of technology capsules, Products
5.4	Udupi	Sharing of technology capsules, Products	Sharing of technology capsules, Products

6. Operational areas details proposed during 2013-14

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems	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	• Poor soil fertility • Blast incidence • Leaf folder,stem borer, ear head bug infestations. • Need for organic farming practices • Labour scarcity • Lack of short duration varieties for summer • Moisture Stress during summer.	50000 ha 23000 ha 25000ha 63000ha 63000ha 11000 ha	Cluster1: Gudnapur, Ajjarani, Kantraji, Yedurbail, Banavasi	FLD, OFT,Training Programmes, Official-Scientist-Farmers Interaction, Health Camp, Field Visits, Field Day, Method Demonstrations
6.2	Maize	• Low yield • Poor soil fertility • Weeds • Stem borer • Root rot	2500 ha 3000ha 500 ha 500 ha 50 ha	Cluster1: Gudnapur, Ajjarani, Kantraji, Yedurbail, Banavasi (Sirsi Tq.) Cluster 4 : Kendalagere, Hugginakeri, Hunagund, (Mundagod Tq)	FLD,OFT ,Training Programmes, Official-Scientist-Farmers Interaction, , Role Play ,Health camp, Field Visits Field Day.
6.3	Groundnut	• Low yield • Poor peg penetration • Spodoptera , leaf miner, collor rot • Coastal salinity	6000 ha 3000 ha 3500 ha 500 ha	Cluster6 : Bankikodlu, Gangavali, Gokarna (Kumta Taluka)	FLD, Training Programmes, Method demonstrations, Field Day, Field Visits, adaptive research.
6.4	Blackgram	• Poor soil fertility • Low yield • Sucking pests • Powdery mildew	1800 ha 1800 ha 200 ha 1500 ha	Cluster1: Gudnapur, Ajjarani, Kantraji, Yedurbail, Banavasi	FLD, Training Programmes, Method demonstrations, Field day, field visits.
6.5	Bt. Cotton	• Poor soil fertility • Flower & square dropping • Sucking insects • Black arm disease	500 ha 3000 ha 4500 ha 200 ha	Cluster 5 : Kiruvatti, Hosalli (Yellapur Tq.)	FLD, Training Programmes, Method demonstrations, Field day, field visits.

6.6	Arecanut	• Low yield • Nut splitting • Nut dropping • Root grub	4000 ha 6000 ha 8000 ha 4000 ha	Cluster 3 : Kenchagadde, Kaigudde, Kedigemane (Siddapur tq.)	FLD, Trainings Programmes, Method demonstration, Field Visits, Awarensess Campaigns
6.7	Mango	• Flower dropping • Leaf hoppers • MSDS • Bark Weevil	1000 ha 500 ha	Cluster 4 : Pala and Badrapura (Mundogoda taluk)	FLD, Awareness programme, Training programme, Method demonstration, Field day, Field visits
6.8	Ginger	• Low yield • Rhizome rot complex disease	150 ha	Cluster 1 :, Gudnapur , Kantraji (Sirsi Taluka)	FLD, Training programme, Method demonstration, Field visits
6.9	Banana	• Panama wilt	50 ha	Cluster 2: Santolli, Rangapur, Dasanakoppa(Sirsi Taluka)	OFT, Method demonstration, training programme, field visits
6.10	Cardamom	• Poor quality seedling • High cost of seedling production • Damping off • Drudgery	550 ha	Cluster7 : Tyagali(Siddapur Tq.)	OFT, Field visits, Trainings, method demonstrations.
6.11	Beans	• Lack of commercial cultivation		Cluster1:Banavasi (Sirsi Taluka)	OFT, Field visits, Trainings, Method demonstrations.
6.12	Pineapple	• Low yield • Heart rot disease	500 ha	Cluster1: Kantraji, Ajjarani, Banavasi (Sirsi Taluka)	FLD, Training programme, Method demonstration, Field visits

7. Technology Assessment 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
7.1	Paddy	Decrease in organic carbon content	Nutreint management in Paddy through organic manures	TO1: Varying doses of fertilizers							Plant height No.of Tillers, Yield, Soil phy, chem. And biological properties Economics	SMS(Agronomy) Farm Manager SMS(Entomology) SMS(Horticulture)
				TO2: FYM/Compost + RDF	UAS, Dhrawad							
				TO3: 100 % Organic Farming Practice	UAS, Dhrawad (ARS, Paddy)	-	-	-	5	Cost will be met out by Organic Farmin g Institute, UAS, Dharwad		
7.2	Maize	Cropping System in Paddy fallows	Evaluation of alternate crops during Summer Season	1: Paddy							Yield MEY Economics Paddy yield	SMS(Agronomy) SMS(Entomology) SMS(Horticulture) Farm Manager
				2: Maize								
				3: Maize + Cowpea	UAS, Dharwad	Maize Seed(Sampanna) Cow pea seed(C 152)	4.0kg 4.0kg	750	5	3750.00		
7.3	Cardamom	• Poor quality seedling • High cost of seedling production	Production of quality seedlings in cardamom through CMS	1:Raised Seed Beds							Germination % Days taken for Germination Economics Farmers'opinion	SMS(Horticulture SMS(Agronomy) SMS(Entomology)
				2: Raised Seed Beds								
				3: CMS	IIHR, Bangalore	• 3'X2 ' Plastic bag • GI Wire • Cardamom seeds • IBA • Carbendazim 80 WP	01 1 mt 50g 4g 10 g	600	5	3000.00		

7.4	French Beans	Lack of commercial cultivation	Introduction of new varieties of French bean	TO 1: Local Varieties							No. of Pods/plant Pod Length Yield Economics Farmer's opinion	SMS(Horticulture SMS(Agronomy) SMS(Entomology)
				TO 2: Arka Anoop	IIHR, Bangalore	Seeds	1.5 kg	200	05	1000.00		
				TO 3: Arka Sharat	IIHR, Bangalore	Seeds	1.5 kg	200	05	1000.00		
7.5	Banana	Panama wilt disease	Low cost management of Panama Wilt in Banana	TO 1: Drenching with Carbendazim (varying concentrations)							% disease incidence Yield Economics Farmer's opinion	SMS(Entomology) SMS(Horticulture SMS(Agronomy)
				TO 2 : Drenching with Carbendazim 1g /l water	UAS Dharwad							
				TO 3: Pseudo stem injection with 30ml solution (3g carbendazim+3 g COC + 3g boric acid per l of water), 2 times at 30 days interval	Successful demonstration by EEU, Sirsi	Carbendazim 80 WP Copper Oxy Chloride Boric acid	20 g 20 g 20 g	50	05	250.00		

8. Technology Refinement during 2013-14- NIL-

9. Frontline Demonstrations during 2013-14

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Hybrid / 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**													
01		Paddy	• Poor soil fertility • Blast incidence • Leaf folder,stem borer, ear head bug infestations	ICM in paddy	Variety	Mugad Siri-1253 Asha	UAS Dharwad, DRR Hyderabad	Soil Testing Diancha/Sunhep seeds Paddy seed *Azospirillum* PSB ZnSO4 Carbendazim Tricyclazole- Pheromone traps with *Scirpophaga incertullas* lures Chlorepyriphos 20EC @2.5 ml/L Nimbicidine 300ppm Malathion 50 EC @ 2 ml/l	- 10 kg 25 kg 150 g 150 g 8 kg 60 g 200 g 4 traps+ 16 lures 800 ml 1.5 lt 600 ml	250 800 750 20 20 500 50 500 350 350 750 200 **4540.00**	15	**68100.00**	Plant height No. of tillers / hill Insect pest & disease incidence Panicle length Yield Economics	SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager
02		Paddy transplanter	• Labour scarcity	Popularization and use of Mechanized paddy transpanter as IG activity through commodity group	Paddy transpanter	VST	-	Hiring charges Plastic sheets Thiram 25% + Carbaxin 25%	1 20 mt 50g	2400 200 100 **2700.00**	12	**32400.00**	Plant height No.of tillers Yield/ha Cost of Planting Labour saing % Net profit Economics	SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager
03		Maize	Low yield Poor fertility, Weeds, Stem borer and Root rot	ICM in Maize	Hybrid	CP-818/ Sampanna		Atrazine MOP ZnSO4 Borax Cypermethrin 25 EC @ 0.5 ml/l Propiconozole@ 1 ml/lt	1.0kg 25 kg 4.0kg 4.0kg 125ml 500ml	350 450 240 250 1000 400 **1790.00**	15	**27000.00**	Plant height, Cob length Grain yield Weed control efficiency % Insect Pest and disease control Economics	SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager

04		Paddy	Water scarcity during summer	Popularization of short duration paddy variety for summer	Variety	KMP-105	UASB	Soil Testing Paddy seed *Azospirillum* PSB ZnSO4 Carbendazim Tricyclazole- DAP MOP Chlorpyriphos Nimbicidine 300ppm Malathion 50 EC @ 2 ml/l	- 25 kg 150 g 150 g 8 kg 60 g 200 g 50 kg 25 kg 800 ml 1.5 lt 600 ml	250 675 20 20 500 50 500 1035 400 350 750 200 **4750.00**	05	**23750.00**	• Plant height • No. of tillers / hill • Insect pest & disease incidence • Panicle length • Yield • Economics •	SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager
9.2	**Millets**													
9.3	**Oilseeds**													
05		Groundnut	Low fertility Low yield Spodoptera, Leaf Miner & Collar Rot Poor Peg Penetration,	ICM In Ground nut	Variety	GPBD-4	UASD	Seeds GPBD-4 Carbaxin 75 WP @ 3g/kg Seeds *Rhizobium* Gypsum Profenophos 50 EC @ 2 ml/l *Nomuraea rileyi* 1X1011conidia /g @ 2 g/l Bajra seeds (ICTP802) Pheromone traps with Spodo lures	40 kg 180 g 250 g 200 kg 400 ml 400 g 200 g 4 traps + 16 lures (1 acre)	6010 250 10 800 200 80 10 320 **7680.00**	05	**38400.00**	• %Germination • No of Spodoptera moths trapped • Insect pest & disease incidence • No of pods per plant • Yield • Economics	SMS(Ent) SMS(Agr) SMS (Hort)
9.4	**Pulses**													
06		Blackgram	Low yield Poor fertility Sucking Pest and Powdery mildew	ICM in Black Gram	Variety	DU-1	UAS Dharwad	Seeds (DU-1) *Rhizobium* PSB *Trichoderma* Rock phosphate Dimethoate 30EC Hexaconazole	8 kg 150 g 150 g 50 g 50 kg 500 ml 250ml	880 20 20 20 300 300 150 **1690.00**	15	**20850.00**	• Plant height • No.of Leaves per plant • No.of nodules /pl • Yield • Economic • Pest and disease incidence	SMS(Agr) SMS(Ent) SMS (Hort) Farm Manager

9.5	**Commercial crops**												
07		Cotton	Square & boll dropping Sucking Insects and Black arm disease	ICM in Bt Cotton	Hybrid	BG-II	UASD	Bhendi seeds Acetamaprid 20 SP @ 0.2 g /l Profenophos 50 EC @ 2ml/l Streptocyclin @ 0.5g/l COC @ 3g/l Planofix 1 ml/4L of water	500 g 40 g 400 ml 100 g 600 g 100 ml	120 65 200 675 265 50 **1375.00**	15	**20625.00**	• Insect population on trap crop • Insect pest & disease incidence • Yield • Economics	SMS(Ent) SMS(Agr) SMS (Hort)
9.6	**Horticultural crops**												
08		Arecanut	• Low yield • Nutdrop • Nutsplitting • Rootgrub	ICM in arecanut with special emphasis on root grub and nut drop management	Variety	Local	UAS Dharwad	Dolomite@ 200g/plant $ZnSO_4$ @15 g/pl Borax @ 30g/pl *Metarizium anisopliae* $1X10^{11}$ conidia/g + FYM 2kg/palm	1q 10 kg 20 kg 10 kg	350 600 2000 2000 **4950.00**	10	**49500.00**	• No.of Nuts drop/plant • % Reduction in nut drop • Yield/pl • Pest and disease incidence • Economics	Farm Manager SMS(Ent) SMS(Agr) SMS (Hort)
09		Ginger	• Low yield • Rhizome rot complex disease	Management of rhizome rot complex disease of ginger	Variety	Himachal	UAS Dharwad	Streptocyclin @ 0.5g/l Copper oxy chloride@3g/l Bleaching powder 33 % 2g/l Metalaxyl-MZ @1g/l	15 g 90 g 3 kg 1.5 kg	100 45 120 3750 **4015.00**	05	**20125.00**	• % reduction in disease incidence • Microbial studies • Earthworm counts • Yield • Economics	SMS (Hort) SMS(Ent) SMS(Agr)
10		Mango	• Flower dropping • Leaf hoppers • MSDS • Bark Weevil • Drudgery in harvesting	ICM in mango	Variety / Hybrid	Alphanso, Panchami, Mallika, Pairi	UAS Dharwad, IIHR, Bangalore	Planofix Mango special Imidacloprid 17.5 SL Fruit fly trap	200 ml 8 kg 100 ml 2	80 800 200 288 **1368.00**	15	**20520.00**	• % fruit set • Yield • % Pest & Disease Incidence • Economics	SMS (Hort) SMS(Ent) SMS(Agr) Farm Manager

11		Blackpepper	• Foot rot disease • Death of Vines	Management of foot rot of black pepper	Variety	Panniyur-1	UAS, Dharwad	200 gauge UV resistant polythene sheet @ 1.25 sq.m /vine Neem cake Trichoderma 50g/vine	31.25 sq. mt 25kg 1.25kg	1720 250 150 **2120.00**	05	**10600.00**	• % death of vines • Yield • Economics	SMS (Hort) SMS(Ent) SMS(Agr)
12		Coconut	Increased Incidence of accidents among coconut climbers.	Demonstration of newly developed safety belt for coconut climbers	-	-	CPCRI	Safety belt	01	4000.00	02	8000.00	• Fearness • Confidence • Time taken for climbing	SMS(Ent) SMS (Hort) SMS(Agr)
13		Pineapple	Low yield due to Heart rot disease	Heart rot management in pineapple (Soil application of neem enriched Trichoderma @ 20gm/hill + Sucker treatment with Metalaxyl MZ @ 0.3% Spray with Aliette -Aliette @ 2g/l)	Variety	Queen	UASD	Trichoderma Metalaxyl MZ@1g /l Aliete@ 2 g/l	4kg 200g 1000 g	400 500 2600 **3500.00**	06	**21000.00**	• % Diseasse Incidence • Yield • Economics	SMS(Ent) SMS (Hort) SMS(Agr)

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	Paddy	• Poor soil fertility	FLD: ICM in Paddy OFT: Nutrient management through Organic manures	• Nutrient Management in paddy • Organic farming in paddy • Pest & disease management through organic manures	05	125	SMS (Agronomy) SMS(Ent) SMS(Hort) Farm Manager
		Paddy	Low yield due to shortage of water during summer	OFT: Introduction of KMP-105 short duration Paddy varieties	• ICM in Summer Paddy	05	100	SMS (Agronomy) SMS(Ent) SMS(Hort)
		Maize	Poor fertility	FLD: ICM in Maize	• Water management in Maize during summer • Nutrient management in maize	6	150	SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort)
			Weeds	FLD: ICM in Maize	• Integrated weed management in Maize	2	100	SMS (Agronomy) SMS(Ent) SMS(Hort)
		Black gram	Low yield	FLD: ICM in Black gram	• Improved agronomic practice in Black gram	5	125	SMS (Agronomy) SMS(Ent) SMS(Hort)
10.2	**Horticulture Production**	Mango	Flower & fruit drop	FLD: ICM in Mango	• Management of flower and fruit drop in mango	02	50	SMS(Hort) SMS (Agronomy) SMS(Ent)
		Mango	Poor soil fertility	FLD: ICM in Mango	• Integrated Nutrient Management in mango	02	50	SMS(Hort) SMS (Agronomy) SMS(Ent) Farm Manager

		Cardamom	Seed germination	OFT: Seedling production through CMS	• Seedling production through CMS Technology • Nursery Management in cardamom	04 02	100 50	SMS(Hort) SMS (Agronomy) SMS(Ent) Farm Manager
		Pineapple	Low yield	FLD: Management of heart rot of pineapple	• Scientific Production technology of pineapple	02	50	SMS(Ent) SMS(Hort) SMS (Agronomy)
10.3	Livestock Production							
10.4	Home Science							
10.5	Plant Protection							
		Mango	Leaf hoppers and powdery mildew	FLD: ICM in Mango	• Plant Protection in mango	02	25	SMS(Ent) SMS(Hort) SMS (Agronomy)
		Mango	Fruit fly	FLD: ICM in Mango	• Management of mango fruit flies through traps	01	30	SMS(Ent) SMS(Hort) SMS (Agronomy)
		Paddy	Blast	FLD: ICM in Paddy	• Importance of Seed treatment	02	50	SMS(Ent) SMS (Agronomy)
		Paddy	Blast, leaf folder	FLD: ICM in Paddy	• Identification of damage symptoms of insects and diseases of paddy and their management	03	65	SMS(Ent) SMS (Agronomy)
		Paddy	Stem borer	FLD: ICM in Paddy	• Monitoring of stem borer through pheromone traps	02	45	SMS(Ent) SMS (Agronomy)
		Paddy	Ear head bug, WBPH	FLD: ICM in Paddy	• Integrated management of BPH and ear head bug.	02	45	SMS(Ent) SMS (Agronomy)

		Ground nut	Aphids, Leaf miner, Spodoptera, Collar rot	FLD : ICM in Groundnut	• Identification of damage symptoms of insects and diseases of groundnut and their management	01	20	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Pulses	Aphids, stem fly, pod bug, pod fly	FLD : ICM in Blackgram	• Plant protection in pulses	02	45	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Banana	Panama wilt and pseudo stem weevil	OFT : Management of panama wilt in banana	• Low cost technology in panama wilt management	01	25	SMS(Ent) SMS(Hort)
		Arecanut	Root grub	FLD : Management of arecanut root grubs through entemopathogenic fungi	• Integrated management of arecanut rootgrub	03	50	SMS(Ent) SMS(Hort) SMS (Agronomy)
		Ginger	Rhizome rot complex, stem borer	FLD : Management of rhizome rot complex disease of ginger	• Diagnosis of rhizome rot complex diseases and IPM	02	65	SMS(Ent) SMS(Hort) SMS (Agronomy)
		Cotton	Shoot weevil	FLD : IPM in Bt cotton	• Importance of bhendi as trap crop in pest management	01	25	SMS(Ent) SMS (Agronomy) SMS(Hort)
			Black arm	FLD : IPM in Bt cotton	• Diagnosis of black arm disease symptoms and management	01	30	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Pineapple	Heart rot	FLD: Management of heart rot of pineapple	• Scientific management of heart rot of pineapple	05	100	SMS(Ent) SMS(Hort) SMS (Agronomy)
10.6	Production of Inputs at Site							
10.7	Soil Health and Fertility							
10.8	PHT and value addition	Ginger	Unscientific post harvest handling	FLD: Management of rhizome rot complex disease of ginger	• Post harvest management in ginger	02	70	SMS(Hort) SMS (Agronomy) SMS(Ent)

		Mango	Drudgery & crop damage during harvesting,	FLD: ICM in Mango	• Use of mango harvester	02	50	SMS(Hort) SMS(Ent) SMS (Agronomy)
10.9	Capacity Building Group Dynamics	Paddy	Low income	FLD: Mechanization in Paddy	Mechanization in Paddy	1	25	SMS (Agronomy) SMS(Ent) SMS(Hort)
10.10	Farm Mechanization	Paddy	Labour scarcity	FLD: Mechanization in Paddy	Mechanization in Paddy	**5**	**150**	SMS (Agronomy) SMS(Ent) SMS(Hort)
10.11	Fisheries Production Technologies							
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture							
	Others, pl. specify							

11. Training for Rural Youth 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
11.1	Crop Production	Paddy	Poor fertility	FLD: Nutrient Management in Paddy	Azolla cultivation and its use in Paddy cultivation	2	50	SMS (Agronomy) SMS(Ent) SMS(Hort) Farm Manager
11.2	Horticulture Production	Blackpepper, Nutmeg	Poor Quality seedling	-	Seedling production & nursery management	3	60	SMS(Hort) SMS (Agronomy) SMS(Ent)
11.3	Livestock Production							
11.4	Home Science							

11.5	Plant Protection	Paddy	Compatibility of different pesticides and residues in grains	-	Feasibility of different pesticide mixtures for spraying and residue levels in grains	01	20	SMS(Hort) SMS (Agronomy) SMS(Ent) Farm Manager
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition	Horticulture crops	Lack of knowledge of processing	-	Preparation of juices, jams using fruits, vegetable and medicinal plants	02	40	SMS(Hort) SMS (Agronomy) SMS(Ent)
11.9	Capacity Building Group Dynamics							
11.10	Farm Mechanization	Paddy	Labour scarcity	FLD: Popularization and use of Paddy Transplanter as IG activity	Mechanization in Paddy	2	50	SMS(Hort) SMS (Agronomy) SMS(Ent) Farm Manager
11.11	Fisheries Production Technologies							
11.12	Mushroom production							
11.13	Agro forestry							
11.14	Bee Keeping							
11.15	Sericulture							

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	INM in Paddy	2	50	SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort)
		Integrated nutrient and weed Management in Maize	2	50	SMS (Agronomy) SMS(Ent) Farm Manager SMS(Hort)

12.2	Home Science				
12.3	Capacity Building and Group Dynamics				
12.4	Horticulture	Production technology of ginger	01	20	SMS(Hort) SMS (Agronomy) SMS(Ent)
12.5	Livestock Production & Management				
12.6	Plant Protection	Identification of damage symptoms of insects and diseases of paddy and their management	02	50	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Species diversity in paddy stem borer, monitoring and management	01	50	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Precautionary steps in management of paddy ear head bug	01	50	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Insect pests of groundnut and their management	01	50	SMS(Ent) SMS (Agronomy) SMS(Hort)
		Pest surveillance and monitoring	01	30	SMS(Ent) SMS (Agronomy) SMS(Hort)
12.7	Farm Mechanization	Mechanization in Paddy	1	25	SMS (Agronomy) SMS(Ent) SMS(Hort) Farm Manager
12.8	PHT and value addition				
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	Seedling production in Sugarcane (SSI)	2 & 15 days	Rural Youth	50	NABARD	SMS(Ent) SMS (Agronomy) SMS(Hort) Farm Manager
13.2	Home Science						
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Protected Cultivation	1 & 6 days	Rural Youths	20	-	SMS(Hort) SMS(Ent) SMS (Agronomy)
13.5	Livestock Production & Management						
13.6	Plant Protection	Bee keeping	1 & 6 days	Rural Youths	25	-	SMS(Ent) SMS (Agronomy) SMS(Hort)
13.7	Farm Mechanization	Dopog nursery and Use of Paddy transplanting machine	1 & 15 days	Rural Youths	30	--	SMS (Agronomy) SMS(Ent) SMS(Hort) Farm Manager
13.8	PHT and value addition						
13.9	Production of Inputs at Site						
13.10	Sericulture						
13.11	Fisheries						

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	Production technologies in Field crops	4 & 6 days	Farmers facilitators	160	KSDA	SMS (Agronomy) SMS(Ent) SMS(Hort) Farm Manager
14.2	Home Science						
14.3	Capacity Building and Group Dynamics						
14.4	Horticulture	Vegetable & fruit processing	2& 1 days	Women, SHGs	100	Dept. of Horticulture	SMS(Hort)
14.5	Livestock Production & Management						
14.6	Plant Protection	Coconut Palm climbing and plant protection	2 & 6 days	Rural Youth	40	Coconut Development Board, Bangalore	SMS(Ent) SMS(Hort) SMS (Agronomy)
		Bee keeping	1 & 10 days	NYK	30	Neharu Yuva Kendra, Karwar	SMS(Ent) SMS(Hort) SMS (Agronomy)
14.7	Farm Mechanization						
14.8	PHT and value addition						
14.9	Production of Inputs at Site						
14.10	Sericulture						
14.11	Fisheries						

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

15. Extension programmes during 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	75	8000	PC & All SMS
15.2	Diagnostic visits	80	150	PC & All SMS
15.3	Field Day	10	500	PC & All SMS
15.4	Group discussions	10	500	PC & All SMS
15.5	Kisan Ghosthi	05	1000	PC & All SMS
15.6	Film Show	02	500	PC & All SMS
15.7	Self -help groups			PC & All SMS
15.8	Kisan Mela			PC & All SMS
15.9	Exhibition	07	100000	PC & All SMS
15.10	Scientists' visit to farmers field	150	300	PC & All SMS
15.11	Plant/Soil health/Animal health camps	05	500	PC & All SMS
15.12	Farm Science Club			PC & All SMS
15.13	Ex-trainees Sammelan	02	50	PC & All SMS
15.14	Farmers' seminar/workshop	02	500	PC & All SMS
15.15	Method Demonstrations	80	1000	PC & All SMS
15.16	Celebration of important days	05	200	PC & All SMS
15.17	Special day celebration			PC & All SMS
15.18	Exposure visits	05	300	PC & All SMS
15.19	Technology week,	01	500	PC & All SMS
15.20	FFS	01	150	PC & All SMS
15.21	Farm innovators meet	01	200	PC & All SMS
15.22	Awareness programs	02	500	PC & All SMS
15.23	Mass Media Coverage	10		PC & All SMS
15.24	Video Preparation	02		PC & All SMS
15.25	Print Media	10		PC & All SMS

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	New varieties of Paddy, Black gram, Green gram, Cow pea, Ground nut and Maize	0.20 ha	SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort)
16.1.2	Demonstration Units	Azolla, Foddder Unit, Vermicompost, Composting methods	0.10 ha	SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort)
16.1.3	Lab Analytical services			
16.1.4	Technology Week	Seed treatment with fungicides, Biofertilizers, insecticide	-	SMS (Agronomy) Farm Manager SMS(Ent) SMS(Hort)

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	CS seed of Paddy-Abhilash variety	500 q	SMS (Agronomy)
		CS seed of Paddy-Jaya variety	500 q	SMS (Agronomy)
		Breeder seed of Abhilash	25 q	SMS (Agronomy)& Farm Manager
		CS seeds of black gram	100 q	SMS (Agronomy)
		Breeder seed of black gram	10 q	Farm Manager & SMS (Agronomy)
		KMP-105	50 q	SMS(Agronomy)
16.2.2	Planting materials	Nutmeg	500	SMS(Horticulture) Farm Manager
		Blackpepper	3000	
		Cardamom	250	
16.2.3	Bio-products			
16.2.4	Livestock strains			
16.2.5	Fish fingerlings			

16.3 Technological Information

	Category	Technological capsules / Number	Names of the team members involved
16.3.1	Technology backstopping to line departments		
	Agriculture	Mechanization in paddy	SMS(Agronomy, Entomology)
	Horticulture	Blackpepper production Technology, Commercial Floriculture	SMS(Horticulture, Entomology,Agronomy)
	Animal Husbandry	Enrichment of dry fodder	SMS(Agronomy)
	Fisheries		
	Agricultural Engineering	Drudgery reducing equipment in paddy & groundnut, Dal making machine, Farm Implements	SMS(Agronomy,Entomology, Horticulture, Farm Manager)
	Sericulture	Seri Suvarna Method of Mulberry cultivation, Uzi Fly Management , Feeding Method in sericulture	SMS(Agronomy, Entomology)
16.3.2	Literature/publication	10	ALL SMS
16.3.4	Electronic Media	02	ALL SMS
16.3.5	Kisan Mobile Advisory Services	50	ALL SMS
16.3.6	Information on centre/state sector schemes and service providers in the district.	Agriculture Dept. Schemes , ATMA Schemes, NHM Schemes, Dept. of Horticulture Schemes. Date of Completion : Aug-2013	PC & ALL SMS

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	NABARD	Exposure field visits Front Line Demonstration On farm Testing, Adoptive Research IG activity through Seedlings production Method demonstrations Official farmers Interactions, Seminars Field days	Farmers Partipiatory Sugar cane Knowledge and resource Point – An Innovative approach Technical programmes ➢ Exposure field visit to Successful farmers field (Tamilanadu) – 2 Nos ➢ Technology inputs resources point ➢ Conducting Trainings- 5 N0s ➢ Method demonstrations :5 Nos ➢ Conducting FLD on ICM and SSI in Sugarcane with Pit Method of cultivation along with Drip Irrigation : 10 Nos ➢ Conducting OFT on SRI in sugar cane : 5 Nos ➢ Conducting Adoptive Research on Different varieties with different date of Planting for tackling arrowing problem-2 Nos ➢ Conducting Interactions & Seminars ➢ Conducting Field days ➢ Establishing Sugarcane seedling production through eye buds as IG activity for creation of self employment – 2 Nos	50 lakhs	SMS(Agronomy, Entomology, Horticulture) Farm Manager, 01 JRF 03 Skilled Helper
17.2	UAS Dharwad	Custom Hiring centre 1.Paddy transplanter 2.Reapers (Harvesting) 3.Paddy Thresher 4. Winnowing mechine 5.Power sprayer 6.Mini Dhal Making Machine 7. Power operated Groundnut stripper 8. Rotavators (90 cm 540 rpm swan make 24 bleds) Cultivators 9. Disc harrowing 10.Power weeder 11. Power tiller drawn seed drill 12. Grain grading	IG Activities Technical programme ➢ Exposure filed visit : 1 ➢ Training programmes:2 Nos ➢ Method demonstration:1 No ➢ Selection of Rural youths for maintaining Transplanter ➢ Giving technical support and providing Mechine to selected youth ➢ Monitoring ➢ Study of Impact through indicators.	15 lakhs	SMS(Agronomy, Entomology, Horticulture)

17.3	ICAR(ZPD)	Integrated Farming System	<u>Components concept</u> Food security Nutritional security Economical Sustainable Crop diversity Sustainable agriculture Life security Fodder security Scope for Social status Long term effect <u>IFS Model for Cluster 1 (Gudnapur Ajjarani, Kantaraji)</u> Paddy Maize Black gram Green Manure crops Areca nut Banana Pepper Cardamum Ginger Turrmeric Water melon Pinapple Vegetable crops Diary animals Perennial Fodder crops Bio-digester unit HGF Unit Composting Unit Teak as Insurance crop Tamarind Lemon Nutritional Garden (Vegetables, Fruit like Mango, Guava, Sapota,Papaya. Medicinal plants <u>IFS Model For Cluster 2 (Santholli Dasanakoppa</u>, Rangapur) Paddy Maize Black gram Green Manure crops Banana	50,000.00	SMS(Agronomy, Entomology, Horticulture) Farm Manager

			Mango Sapota Vegetable crops Diary animals Perennial Fodder crops Bio-digester unit HGF Unit Composting Unit Teak as Insurance crop Tamarind Nutritional Garden (Vegetables, Leaf vegetables , Medicinal plants like Amla and Lemon grass , Spices, fruits like Papaya, Guava)		

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 31.01.2013 (Rs.in Lakh)	Expected closing balance by 31.12.2013 (Including value of material in stock)
3.64595	2.38300	2.89171	4.15466	8.0

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 Paddy Black Gram DU-1	 1050 q 100q	 400000.00 25000.00	SMS(Agronomy, Entomology), Farm Manager
18.2.2	Seedling production- Blackpepper Nutmeg	 3000 500	 30000 25000	SMS(Horticulture, Entomology), Farm Manager

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	1000	Farm Manager, SMS(Agronomy)
19.2	Water	-	
19.3	Plant	-	
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	Soil & Water Analysis module March 2014	Development of Application for providing soil test based advisories to the farmers
20.2	Creation and maintenance of relevant database system for KVK	SWTL Database	Database in RDBMS
20.3	Any other (Please specify)		

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	November
22.3	Brief action plan in this regard	Exhibition & Workshop

23. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Production Technology	Production Technologies in Black Pepper	25000.00

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

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	4300000	4300000	3708597
2	Traveling allowances	125000	125000	67588
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	250000	250000	156937
B	POL, repair of vehicles, tractor and equipments	170000	170000	152487
C	Meals/refreshment for trainees	75000	75000	36962
D	Training material	75000	75000	35789
E	Frontline demonstration except oilseeds and pulses	260000	260000	194728
F	On farm testing	15000	15000	5450
G	Training of extension functionaries	25000	25000	0
H	Maintenance of buildings	25000	25000	15000
I	Establishment of Soil, Plant & Water Testing Laboratory	0	0	0
J	Library	5000	5000	2945
**K*	FFS	25000	25000	6770
**L*	Extension Activities	75000	75000	6442
TOTAL (A)		**5375000**	**5375000**	**4389695**
B. Non Recurring				
1	Works	0	0	0
2	Equipments including SWTL & Furniture	0	0	0
3	Vehicle (Four wheeler/Two wheeler, please specify)	0	0	0
4	Library	0	0	0
TOTAL (B)		**0**	**0**	**0**
C. REVOLVING FUND		**0**	**0**	**0**
GRAND TOTAL (A+B+C)		**5375000**	**5375000**	**4389695**

Note * :SL No K & L are added to show expenditure for FFS & Extension Activities respectively

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

S. No.	Particulars	BE 2012-13 proposed
A. Recurring Contingencies		
1	Pay & Allowances	6000000
2	Traveling allowances	200000
3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	300000
B	POL, repair of vehicles, tractor and equipments	200000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	75000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	360870
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	9000
G	Training of extension functionaries	25000
H	Maintenance of buildings	50000
I	Establishment of Soil, Plant & Water Testing Laboratory	100000
J	Extension Activities	25000
K	Library	5000
*L	FFS	25000
*M	IFS Modules	50000
TOTAL (A)		**7524870**
B. Non-Recurring Contingencies		
1	Works	10000000
2	Equipments including SWTL & Furniture	
3	Vehicle (Four wheeler/Two wheeler, please specify)	
4	Library (Purchase of assets like books & journals)	
TOTAL (B)		**10000000**
C. REVOLVING FUND		
GRAND TOTAL (A+B+C)		**17524870**
Note: * : Sl. No. L & M are added to add BE for FFS & IFS modules respectively		