ACTION PLAN OF HIREHALLI KVK (IIHR-ICAR), TUMKUR: 2012-13

1. General information about the Krishi Vigyan Kendra

1.	Name and address of KVK with Phone, Fax and e-mail, Website	:	**KRISHI VIGYAN KENDRA**, HIREHALLI,TUMKUR-572 168 Phone:0816-2243792 Fax:0816-2243214 Email: iihrkvk@gmail.com
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
3.	Year of sanction	:	28th March, 2009
4.	Name of agro-climatic zone	:	Central and Eastern - Dry Zone
5.	Major farming systems/enterprises		Dry Land Agriculture, Horticulture & Dairy
6.	Soil type	:	Red sandy and black soils
7.	Annual rainfall (mm)	:	593

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	If Vacant Action Plan for filling the Post on Permanent basis
1	Programme Coordinator	Dr.L.B.Naik	Agronomy			26.3.2007	Permanent	
2	Subject Matter Specialist	Sri. K.N. Jagadish	Agril. Extension	15600 - 39100+5400	5400	17.11.2009	Permanent	
3	Subject Matter Specialist	Sri P.R.Ramesh	Soil Science	15600 - 39100+5400	5400	17.11.2009	Permanent	
4	Subject Matter Specialist	Sri Prashanth J.M	Horticulture	15600 - 39100+5400	5400	24.11.2009	Permanent	
5	Subject Matter Specialist	Sri B. Hanumanthe Gowda	Plant Protection	15600 - 39100+5400	5400	2.12.2009	Permanent	
6	Subject Matter Specialist	Ms. Radha R.Banakar	Home Science	15600 - 39100+5400	5400	5.12.2009	Permanent	
7	Subject Matter Specialist	Dr. Somashekhar	Plant Breeding	15600 - 39100+5400	5400	7.12.2009	Permanent	
8	Programme Assistant	Vacant	Programme Assistant	9300 -34800+4200	4200	-	-	Recruitment process is under progress
9	Computer Programmer	Ms. Jyoti Appu Naik	Computer Programmer	9300 -34800+4200	4200	30.9.2009	Permanent	
10	Farm Manager	Sri K.S.Sanna Manjunath	Farm Manager	9300 -34800+4200	4200	1.10.2009	Permanent	
11	Accountant/Superintendent	Sri. D. Krishnappa	Accounts	9300 -34800+4200	4200	14.10.2009	Permanent	
12	Stenographer	Smt. Veda Kurnalli	Stenographer	5200 -20200+2400	2400	17.2.2010	Permanent	
13	Driver 1	Sri M.H.Ningappa	Driver	5200 -20200+2000	2000	31.12.2009	Permanent	
14	Driver 2	Sri Hemanth Kumar	Driver	5200 -20200+2000	2000	4.1.2010	Permanent	
15	Supporting staff 1	Sri P.Narayanappa	Supporting staff	5200 -20200+1800	1800	24.7.2009	Permanent	
16	Supporting staff 2	Sri G.Manjanna	Supporting staff	5200 -20200+1800	1800	1.11.2012	Permanent	

3. Details of SAC meeting conducted during 2011-12

Sl. No.	Date	Major Recommendations	Status of Action Taken in brief	Tentative Date of SAC Meeting proposed during 2012-13
01.	1.7.2011	The Demonstration Units for & Production of Bio-agents can be taken up. Nursery for Vegetable Seedling at KVK,Hirehalli	Demonstration Units are under Construction and a Nursery Unit is completed	**April 2012** **Dec 2012**
02.		There should be regular monitoring of the Frontline Demonstrations and ON-Farm Testing & also these Technologies should be promoted through Field Days & Extension Activities at neighboring Villages of the Farmers.	OFT and FLD are regularly monitored by the respective SMS and same is being popularized by conducting Field Day in the Farmers Field and Mass Media	
03.		Assessment & Refinement should be taken on Technologies of IIHR ,Agriculture , Horticulture & Veterinary Universities. Impact Assessment on Training should be carried out & documented.	We have selected a few IIHR Technologies & implemented in the Farmers Field & also proposed a few IIHR Technologies for OFT and FLD.	
04.		There is a need to Integrate the KVK Activities with the Programmes of the Line Department. In this regard, there is need to build linkages with the Deputy Commissioner, Tumkur District and also Department of Agriculture, Government of Karnataka.	Converge of Line departments & Collaborative sponsored Activities are conducted regularly Seed Village concept & Cpacity Building Training Programmes were conducted	
05.		Establishment of Soil Testing Laboratory & also Hi-tech Nursery are taken up on priority.	Awaiting for 12th Plan Funds	
06.		There is good scope for Women Empowerment Programmes to be taken up by the Subject-Mater Specialists (Home Science) in collaboration with Women & Child Development Department.	Good rapport with Women & Child Welfare Development, NGOs and Conducted Awareness Programmes on health aspects. World Food Day was celebrated during the period in collaboration with Women and Child Welfare Dept and NGO	
07.		Mechanization in Agriculture & Horticulture Arecanut based Cropping System Model to be established in KVK	We have procured all Agri & Horti implements & displayed at KVK premises for the benefit of Farmers Arecanut based model system	

		farm Quality seeds & supply to Farmers – Arecanut & Coconut.	was established in area of 0.1 hectare at KVK farm Quality Seeds and Seedling are being produced and sold to farmers at nominal cost.	
08.		Production of Minor Millets Value Addition through Method Demonstration/Training can be taken up and also other Agriculture Crops. ICT – SMS to Farmers (Crop based information) & implement ICT Programmes on large scale in the District. Tamarind Seed processing Vermicompost unit at KVK, Campus	FLD on Ragi based sequential Cropping were conducted and Value addition - Ragi Malt trials were conducted at KVK Hirehalli Tumkur ICT – Regular SMS to Farmers on Crop based Information is being done at KVK Hirehalli Income Generating Activities on Tamarind Seed processing is being identified	
9.		More emphasis should given on Dry Land Horticulture Precision Farming Package should be popularized through Training and Exposure Visit. Mulching Sheet Technology in Vegetables should be taken up. Technology for Youth – Income Generating Activities	Training on Dryland horticulture was conducted to farmers and implemented demonstration unit in D.Nagenahalli. Exposure visit to IIHR to 68 farmers were taken in different occasion Income Generating Activities on Tamarind Seed processing is being identified at Koratagere, Thovinakere	
10.		High Density Planting in Fruits made Awareness through Training/Exposure visit.	Exposure Visit were conducted to IIHR on High Density Planting in Mango to Tumkur District Farmers.	
11.		Apiculture should be implemented in the Farm for Quality Seed Production. Encourage Bio- digester in Farmers Field More emphasis should be given on IFS	Placement of Purchase Order has already done for Bee hieve A few farmers at Sira taluk implemented with the help of State Horticulture Dept. and KVK Hirehalli Model IFS demonstration in D.Nagenahalli Village	
12.		Groundnut – ARS – Pavagada Collaboration and needs to linked for Leaf minor. Groups Identification for Seed Production example : ML- 365	Training for Extension Functionaries was Conducted and follow up in the Field Level is done in Collaboration with ARS.	

		(Ragi),Redgram BRG -1 etc., with seed village concept	Red gram has been already harvested at Thovinakere in Vijayakumar field.	

4. Capacity Building of KVK Staff

A. Plan of Human Resource Development of KVK personnel during 2012-13

S. No	Category	Area of Training	Institution proposed to attend	Justification	Details of Trainings attended during 2011-12
1.	Programme Coordinator				
2.	Agril Extension	Research Methodology	IARI, New Delhi	New Project Proposals for Financial support	National Workshop on ICT in Agriculture at TNAU on 9-10 August 2011 New Technologies in Horticulture" on 18th and 19th January 2012 at IIHR Bangalore
3.	Soil Science	Soil resource management	NBSS AND LUP,NAGPUR	To set up a Centre of Excellence Lab & Update in the field	New Technologies in Horticulture" on 18th and 19th January 2012 at IIHR Bangalore
4.	Horticulture	IFS for sustainable production system	UAS Dharwad	To set up a Centre of Excellence Lab & Update in the field	New Technologies in Horticulture" on 18th and 19th January 2012 at IIHR Bangalore
5.	Plant Protection	Recent advances in Plant Disease Management	TNAU, Coimbatore	To set up a Centre of Excellence Lab & Update in the field	New Technologies in Horticulture" on 18th and 19th January 2012 at IIHR Bangalore
6.	Home Science	Value Addition to Fruit, vegetables and Minor Millets	CFTRI, Mysore IIHR Bangalore UAS, Bangalore Bakery Unit	To set up Minimal Processing Unit	
		Bakery Products	UAS, Bangalore Bakery Unit	To set up Demonstration unit	
7..	Plant Breeding	Tissue culture techniques in Horticultural crops	ICAR CENTRE	To set up a Tissue culture Laboratory	
8.	Lab Technician	Soil Testing	IIHR, Bangalore	To set up a Centre	

		and Leaf Analysis		Excellence Lab & Update in the field	
9.	Computer Programmer	Programming language/s in Computer Science	NAARM, Hyderabad, Andra Pradesh	To set up a Centre Excellence Lab & Update in the field	
10.	Farm Manager	Crop Cafteria & IIHR New Horticulture Technologies	UAS Dharwad IIHR Bangalore	To set up a Centre of Excellence Lab & Update in the field	
11.	Administrative	Office Automation	IIHR Bangalore	To make KVK eco friendly paper less Office administration	

B. Cross-learning across KVKs

Sl. No	Name of the KVK proposed	Purpose	Mode of learning
1.	Namakkal KVK	Animal Science	Exposure Visit
2.	Kannur KVK	Mechanization(Task force)	Exposure Visit

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

Sl. No.	Name of the KVK included in the cluster	Nature of sharing		
		Knowledge/expertise	Resources (facilities and products)	Activities
1	KVK, Doddaballapur	Bio Fuel	Machineries	Group Approach
2	KVK, Konehalli	Dry Land Agriculture	Seed Production	Seed Bank
3	KVK, Hassan	Dairy	Animal Rearing	IGA
4	KVK, Gonikopal, Madikere	Citrus	Citrus Specialization	Exposure Visit

6. Plan of Work for 2012-13

A. Operational areas details proposed

S.No.	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year Please state
		Existing	New				
1.	Tumkur	Haralur, Kesaramadu, Beemasandra, Bairsandra, Gollahalli, Neralpur, Pemmanahalli, Sangapura, Doddathimmnapalya, Chikahalli, Beeranakallu, G.H.Palya & Belagumba	Hebbur, Nagavalli , Mallasandra	Groundnut, Maize, Paddy, Ragi, Redgram, Tomato, Brinjal, Mango,Sapota, Arecanut, Coconut, Aster,Dairy	1. Use of local varieties and low yield. 2. No seed treatment 3.Poor soil and nutrient management 4. Tikka disease, root grub, Red and hairy caterpillar in Groundnut. 5. Zinc (Zn),Iron (Fe)deficiency in Maize and Zn in Paddy 6. Pod borer and sterile mosaic disease in red gram. 7.Shoot and fruit Borer in Brinjal 8. Powdery mildew and hoppers in Mango. 9. Lack of skill in nursery technique & management, 10.Lack of knowledge about importance of soil & water testing, 11. Lack of knowledge in pre and post harvest technology management. 12. Lack of knowledge for income generating activities, malnutrition and unhygienic practices. 13.Dropping and splitting of areca nuts	1.Popularization of HYV / hybrids 2. Seed production techniques in vegetables and field crops 3.Integrated Nutrient Management and Soil test based fertilizer application 4.Integrated Pest & Disease Management 5.Propagation techniques in fruits and vegetables 6.Income generating activities, 7.Value added products 8.Nutrition education and hygiene 9. Post harvest technology in vegetables and fruits	2010

2.	Koratagere	Chikvalli, Kymanhalli, Kodlahalli, D.Naganahalli, Chatnahalli,	Akkirampura, Singrahalli, Venkataramapura CVD Palya	Maize, Paddy, Ragi, Redgram, Tomato, Sunflower, Banana, Groundnut, Mango, Sapota, Arecanut, Coconut, Aster, Dairy, Frenchbean, Brinjal & Marigold.	1. Use of local varieties and low yield. 2. No seed treatment 3. Poor soil and nutrient management 4. Tikka disease, root grub, Red and hairy caterpillar in groundnut. 5. Zn, Fe deficiency in Maize and Zinc in Paddy 6. Pod borer, and sterile mosaic disease in red gram. 7. Flower and Fruit dropping, Powdery mildew and hoppers in Mango . 8, Low yield in Banana 9. Dropping and splitting of areca nuts. 10. Lack of skill in nursery technique & management 11.lack of knowledge about importance of soil & water testing, 12.Lack of knowledge regarding pre and post harvest technology management. 13. Lack of knowledge in income generating activities, malnutrition and unhygienic practices. 14.Drudgery 15. Shoot and fruit Borer, Bacterial blight in Brinjal.	1.Popularization of HYV / hybrids 2.Seed Production Techniques in vegetables and field crops 3. Bud necrosis in sun flower 4. Management of saline soil in Paddy. 5.Integrated Nutrient Management and Soil test based fertilizer application 6.Integrated Pest & disease Management 7.Propagation techniques and post harvest in fruits and vegetables 8.Income generating activities, 9.Value added products 10.Nutrition education and hygiene 11.Drudgery reduction	2010
3.	Madhugiri	Badavanhalli,Siddapur, Siridragallu,Vadderahalli	Midigeshi				2010
4.	Pavagada	Kotgudda, Shilapur, Mugadal Betta,Arkyatanhalli		Groundnut, Sunflower, Ragi, Maize, Paddy, Redgram, Tomato,	1. Use of local varieties and low yield. 2. Moisture stress 3. No seed treatment 4. Poor soil and nutrient	1. Popularization of HYV / hybrids 2. Soil and water conservation 3. Seed Production	2010

				Brinjal & Dairy,	management 5. Tikka disease, collar rot, root grub in Groundnut. 6. Insufficient water for paddy cultivation 7. Pod borer and sterile mosaic disease in red gram. 8. Shoot and fruit Borer Bacterial blight in Brinjal. 9.Lack of knowledge about importance of soil & water testing, 10. Lack of knowledge in pre and post harvest technology management. 11. Lack of knowledge for income generating activities, malnutrition and unhygienic practices. 12.Drudgery	Techniques in field crops 3. Management of Bud necrosis in sun flower 4.Aerobic paddy cultivation 4.Integrated Nutrient Management and Soil test based fertilizer application 5.Integrated Pest & disease Management 6.Income generating activities, 8.Value added Products 9.Nutrition education and hygiene 10.Drudgery reduction.	
5.	Sira	Kataveeranahalli, Mudimadu, Chikkanahalli, Veerapura and Kamagondanahalli, Bevanahalli, Honnenahalli	Baragur , Kallambella	Groundnut, Maize, Paddy, Ragi, Cotton, Redgram, Vegetables, Mango, Sapota, Arecanut, Coconut, Aster, Dairy & Brinjal	1. Use of local varieties and low yield. 2.No seed treatment 3.Poor soil and nutrient management 4. Tikka disease, root grub, Red and hairy caterpillar in Groundnut. 5. Zn, Fe deficiency in Maize and Zn in Paddy 6. Pod borer, and sterile mosaic disease in red gram. 7. Powdery mildew and hoppers in Mango. 8. Lack of skill in nursery	1. Popularization of HYV / hybrids 2. Seed Production Techniques in vegetables and field crops 3.Integrated Nutrient Management and Soil test based fertilizer application 4.Integrated Pest & Disease Management 5.Propagation	2010

					technique & management, 9.Lack of knowledge about importance of soil & water testing, 10. Lack of knowledge regarding pre and post harvest technology management. 11. Lack of knowledge in income generating activities, malnutrition and unhygienic practices. 12.Dropping and splitting of areca nuts 13. Shoot and fruit Borer in Brinjal. 14. Leaf reddening, flower drop, Black arm, Sucking pest and Bollworms problem in cotton	techniques and post harvest in fruits and vegetables 6.Income generating activities, 7.Value added Products 8.Nutrition education and hygiene 9. ICM in Cotton	

B. Prioritized problems and KVK Interventions Proposed

Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)					
				Technology Assessment	Technology Refinement	FLD	Training	Extension programmes	Production of technology inputs
Paddy	Tumkur	Salinity	Management of Saline Soils in Paddy			✓	✓	✓	
	Korategere	Limited water	Aerobic Paddy Cultivation			✓	✓	✓	
Ragi	Sira	Mono cropping	Ragi based Sequential Cropping System			✓	✓	✓	Ragi Malt, Hurihittu, Pappad etc.,
Maize	Korategere and Tumkur	Zinc deficiency Downy mildew and TLB disease and Low yield	Enhancing Productivity through ICM			✓	✓	✓	
Groundnut	Pavagada	Collar rot	Management of Collar Rot in Groundnut	✓			✓	✓	Value added products

	Sira	Smaller seed size	Assessment of GPBD-5 a bold Seeded variety	✓			✓	✓	Quality Seed Production GPBD-4 & 5
Redgram	Sira	Low yield & pod borer	ICM in Red gram			✓	✓	✓	
Mango	Tumkur	1.Flower & fruit dropping 2.Fruit fly 3.Powdery mildew	ICM in Mango			✓	✓	✓	
	Tumkur and Koratagere	Mono - cropping in Mango	Demonstration of Mucuna as a Intercrop in Mango			✓	✓		
Banana	Tumkur and Sira	1.Low plant population 2.Low Yield & Income	Paired row & pit method Planting System in Banana	✓			✓	✓	
	Koratagere,Tumkur & Sira	Lower Bunch size and Yield	Micronutrient Management in Banana			✓	✓	✓	
Arecanut	Tumkur and Sira	Splitting of Nuts and Low Yield	Management of Nut Splitting in Arecanut			✓	✓	✓	
		Anaberoga	Integrated Management of Anaberoga			✓	✓	✓	
Coconut	Tumkur and Sira	Button shedding & Less No. of Nuts/Tree	Management of Button Shedding Coconut Plantation			✓	✓		
	Tumkur and Sira	Mite problem	Management of Mites	✓			✓	✓	
Tomato	Tumkur and Sira	1. Local varieties 2.Low acidity and TSS	Popularization of HYV Tomato variety DMT2			✓	✓		
	Tumkur	Low nutrient use efficiency	Microbial consortium for tomato production			✓	✓	✓	
	Tumkur	1.Local varieties 2. Bacterial blight	ICM in Tomato			✓	✓	✓	

		and leaf curl							
Brinjal	Koratagere	Low yield	Integrated crop management in Brinjal			✓	✓	✓	
Dolichos	Tumkur	Low yield	Popularization of Arka Vijay high yielding variety.			✓	✓	✓	
French Bean	Tumkur and Korategere	1. Rust Disease 2. Low Yield	ICM in French bean			✓	✓	✓	
Cabbage	Tumkur and Sira	Diamond Black Moth (DBM)	Integrated Pest Management in Cabbage			✓	✓	✓	
Ground Nut Decorticator	Tumkur and Koratagere	Drudgery				✓	✓		
Papaya	Sira,Koratagere	Low TSS ,Poor Keeping Quality & Transportation	Introduction of High Yielding Papaya Variety Arka Prabhath			✓	✓	✓	Value addition and Market links
Pink Colored Oyster Mushroom-Arka OM-1	Tumkur and Sira	Monoply of White Mushroom	Demonstarion of Pink Colored Oyster Mushroom-Arka OM-1			✓	✓	✓	
Aster	Tumkur, Koratagere	Less No. of Flowers/Plant, Small size & low yield	Popularization of HYV PGPink.			✓	✓		
Integrated Farming System	Koratagere, Pavagada, Sira	Mono cropping, ,Less Income Generation	Integrated Components of Agri, Horti, Silvi Pasture & Livestocks			✓	✓		
Post harvest technology (Redgram)	Sira, Tumkur	1.Improper drying of seeds 2.Improper use of storage methods 3.Unaware about safe storage technology	Safe storage method for pulses			✓	✓		

7. Details of technological interventions

A. Technology Assessment

Sl. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technological options	Source	No. of trials	Details of inputs	Total cost involved (Rs.)	Names of the team members involved
1.	Groundnut	Lower yield, Smaller pod size, foliar disease	Evaluation of groundnut varieties	Use of TMV -2	Farmer	5	Seeds	8000	Somashekar , Radha R Banakar
				GPBD-4	UAS-Dharwad				
				GPBD-5	UAS-Dharwad				
2.	Groundnut	Colonization of fungus in the rhizosphere at root zone causes incidence of collar rot in Groundnut	Management of Collar rot disease in Groundnut	Seed treatment with Captan @ 2.5g/kg.	Farmer	5		4000	B Hanumanthegowda & Jagadish KN
				ST with *Trichoderma* @ 4g/kg.	UAS-Bangalore		Trichoderma		
				ST with *Pseudomonas flouroscense* @4g/kg seeds & soil treatment with *Pseudomonas* @ 2.5kg & Neemcake @ 2.5q with FYM 5 tons/ha.	NBAII, Bangalore		Pseudomonas fluorescence NSK		
3.	Banana	Low density and low yield	Paired row with zig zag and pit method of planting in banana	Square method (1.8m x 1.8m)	Farmer	3			Prasanth JM , Ramesh PR & Jagadish KN
				Square method (2.1mx2.1m)	UAS, Bangalore		suckers	2400	
				Paired row with zig zag method (2x1.2x1.2m)	NRC Banana Thirchi		suckers	4800	
				Pit method (3.6m x 1.8m) (3 suckers /hill)	CARD-KVK NRC Banana, Thirchi		suckers	7200	
4.	Coconut	Higher incidence of Eriphid mite due to lack of resistance in palms and improper control measures results in yield reduction & income loss	Integrated management of eriophid mite in Coconut	Application of 20-25kg of FYM/palm, 250 gm/palm complex Fertilizer.	Farmer	2			B Hanumanthegowda , Prasanth JM, Ramesh PR and Jagadish KN
				50 kg FYM, 500:320:1200g NPK per palm / year, 5 Kg Neem cake / palm,50 g borax / palm / year, 500g MgS04 / palm / year, Eco neem Plus 1%(10ml/palm, 3 times / year)	UAS, GKVK		Urea SSP MOP Borax Mg So4 Econeem plus Neem cake	300 440 460 750 150 1200	

							2500	
				50 kg FYM, 500:320:1200g NPK per palm / year, 5 Kg neem cake / palm Nutritional tonic (250 ml / palm twice a year at 6 months interval)	TNAU, CBE,		Urea SSP MOP Coconut Tonic	300 440 460 5313	

B.Technology Refinement

Sl.No.	Crop/ Enterprise	Prioritized Problem	Title of Intervention	Technological Options	Source	No. of Trials	Details of Inputs	Total Cost Involved (Rs.)	Names of the Team Members Involved

C.Frontline Demonstrations

Sl.No.	Category/ Crop or Enterprise	Prioritized Problem	Title of Technology	Source	No. of Demo	Area (ha)/ Units	Details of Critical Inputs	Total Cost Involved (Rs.)	Names of the Team Members Involved
A	**CEREALS & MILLETS**								
1.	Paddy	Salinity	**Management of saline soils** Introduction of IR -30864 Green manuring Crops (Daincha) FYM 5 t/ha RDF : 100:50:50 NPK Kg/ha Water Management Azospirillium@ 2 kg/ha PSB @ 2kg/ha ZnSo4-20 kg/ha	UAS Bangalore	10	2	Seed 62.5 kg/ha Azosprillium- 2kg/ha PSB-2kg ZnSo4- 20kg Daincha- 62.5kg	8856	Ramesh PR and Jagadish KN
2.	Paddy	Lower water use efficiency	**Aerobic paddy cultivation** 1.Direct sowing/Dibbling 2.MAS-946-1 3.25X25 cm spacing 4. FYM: 10 ton/ha 5.100:50:50 NPK Kg/ha 6.Use of cono weeder & 7.pyrosulfuron ethyl @ 250gm/ha 8. –Lesser water requirement (30-40% less)	UAS Bangalore	4	1	Seed rate 7kg/ha MAS-946-1 Azospirillum-1kg PSB-1 kg Pyrozosulfuron ethyl Cono weeder	3210	Ramesh P R , Prasanth J M and Jagadish KN

3.	Ragi	Mono cropping Moisture stress, use of low yielding varieties	**Ragi based Sequential Cropping System** Cowpea (Early Kharif) followed by Ragi (Medium durated variety ML-365) RDF: 50:40:25 NPK kg/ha - FYM-7.5 t/ha - Carbendizim @2 gm/kg seed - Azospirillium@ 2 kg/ha - PSB @ 2kg/ha	UAS Bangalore	25	10	Cowpea Seeds- 30 kg Ragi -12 kg Bavistin -60g Azosprillium- 2kg/ha PSB-2kg	24560	Ramesh PR ,Radha R Banakar and Jagadish KN
4.	Maize	Zinc deficiency, Downy mildew, Stem borer and TLB disease low grain and fodder yield	**ICM in Maize** Introduction of NAH-2049 hybrid - FYM-7.5 t/ha -RDF: 100:50:25 NPK kg/ha -ZnSo4 @10kg/ha - Atrazin @2.5 kg/ha	UAS Bangalore	12	5	Seeds-15 kg ZnSo4- 10kg Atrazin @2.5 kg/ha	13250	Jagadish KN ,Prasanth JM and Ramesh PR
B	**OILSEEDS**								
C	**PULSES**								
1	Red gram (Early sowing)	Moisture stress and pod borer	**Integrated Crop Management** -Variety: BRG-1 -Recommended Dose of Fertilizer: 25: 50: 25 NPK kg/ha. -IPM measures: Cultural: Deep ploughing to expose immature stages of pests Use of pheromone traps Biological: NPV@ 250 LE/ha Chemical: Indoxicarb @ 0.5ml/lit	UAS, B'lore	25	10	Seed rate: 15 kg/ha Rhizobium:375g PSB: 1kg NPV @ 250 LE/ha Traps: 10 Nos. Indaxicarb: 0.6 lt/ha	23020	Ramesh PR, Somashekar and Radha R B
D	**COTTON**								

1									
E	**OTHER COMMERICAL CROPS**								
1									
F	**HORTICULTURAL CROPS**								
Fruits									
1	Mango	Flower& fruit dropping Fruit fly, Powdery mildew	**ICM in Mango** FYM@25kg/plant RDF 30:180:680NPK gm/plant, Mango Special spray(@125g/25lit) in July, November and December months. Spraying during Flowering Planofix @ 4ml/16lt spray Carbaryl @4gm/lt spray Fruit Fly Trap – 10 nos	IIHR, B'lore	10	2	Mango special 30kg Fruit Fly Trap-10 /ha Planofix -1 lit Sulfex- 1 kg Carbaryl -4 kg	13900	JM Prasanth and Jagadish KN
2		Mono cropping & Low Productivity of Soil	**Demonstration of Mucuna as a Intercrop in Mango Plantation**	IIHR,B'lore	10	2	Mucuna Seeds-33 Kg/ha	5280	Jagadish KN and P.R.Ramesh
3	Banana	Micronutrient deficiency leads to lower bunch size and yield	**Micro nutrient in banana** Banana Special (5gm/lt) spray From5th month to 10th month and at 1 and 2 months after Bunch emergence	IIHR, B'lore	10	2	Banana Special 30kg MOP 720 kg	15624	Ramesh PR and Jagadish KN
4	Papaya	Low yield ,Low TSS ,Poor Keeping Quality	Introduction of High Yielding Papaya Variety Arka Prabhath, Yield- 100 Kg/plant, TSS-12-14,	IIHR, B'lore	5	1	Papaya Seedlings	10000	Somashekar
Vegetables									
1	French bean	Low yield Higher pest incidence	**Integrated Crop Management in French bean**	IIHR, B'lore	10	2	Arka Suvidha seeds -65kg Neem cake-250kg Endosulfan-1lt	21100	Somashekar and Jagadish KN

		Low income	Arka Suvidha seeds – 65kg Management of pests and disease : Neem cake- 250kg Endosulfan- 2ml/lt *Seed treatment with: Trichoderma*- 5g/kg Carbendazim- 1g /lt				Trichoderma-1 kg Carbendizim-1kg		
2	Brinjal	Low Yield and borer	**Arka Anand** **ICM tools** Root dipping in *Trichoderma harzianum* 20gm/lt Using neem cake 250kg/ha Remove infested fruits and destroy Use of Pheromone traps (16 No.) + Lures (32 No.) Neem oil /NSKE (1ml / lt) 1 lit, Carbaryl (4 g/lt)–2kg	IIHR B'lore	5	1	Seeds- 375gm IPM tools Neem cake-50kg Trichoderma-1 kg Mancozeb -2kg Pheromone traps (16 No.) + Lures (32 No.) Neem oil /NSKE (1ml / lit) Carbaryl (4 g/ lt) – 2 kg	6240	Prasanth JM , Hanumanthegowda and Jagadish KN
3	Tomato	Low yield and blight diseases	**ICM in Tomato** Using Arka Ananya Tricoderma viridae 2kg Neem cake soil application Imidoclophrid Neem Soap (eco-neem product)	IIHR, B'lore	10	2	Arka ananya seeds-100gm Trichoderma-100gm Neem cake-250kg Marigold-500gm Imidacloprid-200gm Indaxicarb-0.3lt Neem soap-6.0kg	19660	Somashekar and Radha R Banakar and Jagadish KN
4		Low nutrient use efficiency, poor soil fertility and low productivity	Microbial Consortium for Tomato Production	IIHR, Bangalore	10	2	Microbial Consortium	1400	Ramesh P R and Jagadish KN
5		Low Acidity, Susceptible to Blight and Leaf Curl, Low Yield	Demonstration of HYV DMT2	UAS, Dharwad	10	2	DMT2 Seeds-750gms/ha	3000	Somashekar and Radha R Banakar
6	Dolichos	Low yield	Popularization of	IIHR, B'lore	10	2	Seeds 37 kg	11000	Somashekar and

			Arka Vijay Variety						Ramesh PR
7	Cabbage	DBM pest	**IPM in cabbage** Mustard as a trap crop Bt spray @2 ml /lit at 10 days after sowing Indoxicarb 0.5 ml/lit Neem soap spray @10 g/lit Pongamia soap @10g /lit	IIHR, B'lore	10	2	Seeds -2.5 kg Bt formulation 1000 ml Indoxicarb 100 ml Neem soap 7.5 kg Pongamia soap-2.5 kg	4638	B Hanumanthegowda and Jagadish KN
Plantation Crops									
1	Arecanut	Aneb roga	**IDM in Arecanut** Neem cake @2kg/plant Drenching with Calixin@0.3%. Root feeding calixin @1.5 % RDF FYM 20kg/plant	CPCRI, Kasargod	10	100 Palms	Neem cake 200 kg / 100palm Calixin 6.25 ltrs	7018	B Hanumanthegowda and Ramesh PR
2	Arecanut	Severe nut splitting and yield loss	Management of Nut Splitting in Arecanut	CPCRI, Kasaragod	5	2	Urea SSP MOP Borax	15276	Ramesh PR, Prasanth JM and B Hanumanthegowda
G	**LIVESTOCK/ FISHEIRES**								
1									
H	**OTHER ENTERPRISES**								
1	Pink Colored Oyster Mushroom-Arka OM-1	Monoply of White Mushroom	Demonstration of Pink Colored Oyster Mushroom-Arka OM-1	IIHR, B'lore	10		Spawn, PP Bags	3000	Radha R Banakar Somashaker
2	Post harvest technology (Redgram)	1.Improper drying of seeds 2.Improper use of storage methods 3.Unaware about safe storage technology	**Safe storage of pulses** -24 hours drying on concrete threshing yard for 5 days -Storing redgram seeds in a bucket -Spreading 3cm depth medium fine sand on seeds -Covering with lid storage method for pulses	UAS,B'lore	05 Nos	05 units	Plastic buckets	3,000	Radha R Banakar Somashaker

Implements									
1	Ground nut	Drudgery	Ground nut decorticator	UAS B'lore	5	5	Ground nut decorticator – 05	15000	Radha R Banakar Somashaker
1		Low income /Ha	Integrated Farming System	UAS B'lore	4	2	Seeds Planting /Materials-Horti, Forestory Seedlings, Compost,Vermicompost, Farm Pond,Fish	120000	Ramesh PR, Prasanth JM

D. Trainings

i) Farmers/ Farm Women

Sl.No.	Crop / Enterprise	Major Problem	Linked field intervention (Assessment/ Refinement/FLD)*	Training Course Title**	No. of Courses	Names of the team members involved
1.	**Cereals** Paddy	• Poor nutrition • Blast disease • Saline soil • Low yield	**FLD**	• Nutrient Management in Paddy • Saline soil Management • ICM in paddy	1 1 1	Ramesh PR and Jagadish KN
2.	Ragi	• Monocropping • Imbalanced nutrient • Low yield	**FLD**	• ICM in ragi	2	Ramesh PR Radha Banakar and Jagadish KN
3.	Maize	• Nutrient deficiency • Disease & Pest Problem	**FLD**	• ICM in maize	1	Jagadish KN and Ramesh PR
4.	**Oil seeds** Groundnut	• Low productivity • Tikka disease • Collar rot & root grub	**OFT**	• IDM in ground nut • Production practices in Groundnut	1 1	BHanumanthegowda and Ramesh PR
5.	**Pulses** Red gram	• Pod borer • Low yield	**FLD**	• Improved production techniques • IPM in Redgram	1 1	BHanumanthegowda,Ramesh PR Radha Banakar
6.	**Horticulture Fruits :** Mango	• Mono Cropping • Flower and fruit dropping • Fruit fly • Powdery mildew	**FLD**	• Production technologies in mango • IDM in mango	1 1	Prasanth JM and Jagadish KN
7.	Banana	• Poor management practices • Poor bunch weight	**OFT**	• Production practices in Banana • INM in Banana	1 1	Ramesh PR and Jagadish KN
8.	Arecanut	• Poor management of orchard	**FLD**	• Integrated crop management • IDM in Arecanut	1 1	BHanumanthegowda and Ramesh PR

		• Anaberoga • Nut splitting				
9.	Pomegranate	• Bacterial blight	-	• Integrated management in Bacterial blight	1	Bhanumanthegowda and Ramesh PR
10.	**Papaya**	• Low yield, Low TSS	**FLD**	Cultivation of Papaya	1	Somashekhar
11.	**Vegetables:** Tomato	• Low yield • Blight disease	**FLD**	• Seed production • Production technology	1 1	Somashekar and Jagadish KN
12.	Brinjal	• Shoot & Fruit Borer • Bacterial wilt • Low yield	**FLD**	• Integrated pest & disease management • ICM in Brinjal	1 1	Prasanth JM and Jagadish KN
13.	Dolichos	• Low yield	**FLD**	• Seed production techniques	2	Somashaker and Jagadish KN
14.	French bean	• Rust disease • Low yield	**FLD**	• Improved cultivation practices	1	Somashaker and Jagadish KN
15.	Cabbage	• DBM	**FLD**	• IPM cabbage	2	Bhanumanthegowda and JM Prasanth
16.	**Flowers** Aster	• Smaller flower size • Low Yield	**FLD**	• Improved Cultivation Practices	1	JM Prasanth and Jagadish KN
17.	Nutrition Garden	• Mal Nutrition	-	• Importance of Nutrition Garden	2	Radha R Banakar and Jagadish KN
18.	Vermicomposting	• Non utilization of farm waste	-	• Importance and role of vermin compost in organic farming	1	Ramesh PR and Bhanumathegowda
19.	Mushroom Cultivation	• Non utilization of farm waste	**FLD**	• Importance and role of Mushroom cultivation	2	Radha R Banakar and Somashekar
20.	Processing of Fruit & Vegetables	a. Under utilization b. Lack of Technical Knowledge	-	• Demonstration of preparation of different Jam. Jelly, squashes, pickle etc., • Value added products of Ragi • Value added products of Amla	2 2 2	Radha R Banakar and Somashekar

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

ii) Rural Youth

Sl.No.	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/FLD)*	Training Course Title**	No. of Courses	Names of the team members involved
1.	Mushroom	Low income		Oyster mushroom production	04	Radha R Banakar Somashekar and Jagadish KN

2.	Seed production	Low income and non availability of seeds	**FLD**	Seed production techniques in vegetables	01	Somashekar

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

iii) Extension Personnel

Sl.No.	Crop / Enterprise	Major problem	Linked field intervention (Assessment/ Refinement/FLD)*	Training Course Title**	No. of Courses	Names of the team members involved
1.	Mango	ICM	**FLD**	Recent advances in Cultivation of Mango	01	Prashanth J.M., K.N.Jagadish and P.R.Ramesh
2.	Value addition	Value Addition	-	Enrichment and popularization of low cost nutritious foods	03	Radha R Banakar Somashekar and Jagadish KN
3.	Nutritional Education	Management of mal nutrition	-	Enrichment and popularization of value added products	01	Radha R Banakar Somashekar

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

iv) Vocational Trainings

Crop / Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Names of the team members involved
Mushroom	Mushroom cultivation	2 (3 days)	SHGs	Radha Banakar and Somashekhar
Composting	Composting	1 (7 days)	Youth & SHGs	Ramesh P R
Bio Pesticide	Production of Neem based products	1(7 days)	SHG & Youth	B Hanumanthegowda
Vegetables	Improved Seed Production Practices in Vegetables	1(7 days)	Farmers	somashekhar
Home Science	Preparation of value added products	2 (5 days)	SHGs	Radha Banakar

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

v) Sponsored Trainings

Crop/ Enterprise	Sponsoring Organization	Training course title*	No. of Courses	Names of the team members involved
Tamarind Processing	Marketing Board, NABARD & KVK	Entrepreneurship development programmes	02	Jagadish K.N., Ramesh PR and Prasanth JM
Amla	KAMPA, Bangalore	1.Improved cultivation practices of Amla 2. General benefits of Amla	05	B.Hanumanthegowda and Prashanth JM
Amla	NABARD & KVK	Value Addition in Amla	02	Radha R Banakar , Ramesh P R and Jagadish KN

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

E.Extension Programmes

Month	Extension Programme*	Linked field Intervention**	Expected Category of participants	Names of the Team Members involved
April,12	Group meeting/Training/Method demonstrations	OFT/FLD/FFS	140	KVK Team Members
May, 12	Group meeting/Training/Method demonstrations		120	
June, 12	Group meeting/Training/Method demonstrations		145	
July, 12	Group meeting/Training/Method Demonstrations/Field visits		160	
August 12	Field visit/ Training		125	
Sept, 12	Training/Method Demonstrations/Field visits/Field day		145	
October, 12	Group meeting/Training/Method Demonstrations /Field visits/Exhibitions/Field day,		180	
Nov, 12	Training/Method Demonstrations / Field visits/ /Field day/Exhibitions/ Women in agriculture		160	
Dec, 12	Training/Method Demonstrations/Field visits/Exhibitions/ Seminar		175	
January, 13	Training/ Method Demonstrations/Field visits		120	
Feb, 13	Group meeting/Training/ /Field visits/Exhibitions		85	
March, 13	Group meeting/Training/ /Field visits/Exhibitions/seminars		125	

8. Activities proposed as Knowledge and Resource Centre

A. Technological knowledge

Category	Details of Technologies	Area (ha)/ Number	Names of the team members involved
Technology Park/ Crop	Display of IIHR Technologies through	0.1 ha	Sanna Manjunath Farm manager

cafeteria	Demonstrations in KVK Farm		Somashekhar JM Prashanth.
Demonstration Units	Micro Nutrient Production Unit Bio Pesticides Production unit Mushroom unit Spawn Production Unit Intergrated Compost pit Démonstration	01 01 01 01 01	P R. Ramesh Hanumantegowda Radha R Banakar Radha R Banakar , Somashekar P.R. Ramesh ,KS Manjunath
Lab Analytical Services	Soil Analysis and Leaf analysis	01	P.R. Ramesh
Technology Week	• Seed Production Techniques • Propagation Techniques • Bio Pesticides & Bio Fertilizers • Value Addition • Farm Mechanization • New Technologies of IIHR	02	Dr. Somashekar, K.S.Sanna Manjunath Prashanth J.M. B.H.Hanumanthgowda, P.R.Ramesh Radha R. Banakar Prashanth J.M., K.S.SannaManjunath K.N.Jagadish

B. Technological Products

Category	Name of the product	Quantity (Qtl.)/ Number	Names of the team members involved
Seeds	IIHR released vegetable varieties	10 qt	Dr. Somashekar, K.S.SannaManjunath
Planting materials	Mango, Guava, Arecanut, coconut	1 lakh	Prashanth JM , K.S.SannaManjunath
Bio-products	*Trichodermma, Pseudomonas* Neem Soap, Pongamia Soap	1.5 Ton	Hanumantegowda, Prashanth JM
Livestock strains	-	-	-
Fish fingerlings	-	-	-

C. Technological Information

Category	Technological capsules / Number	Names of the team members involved
Technology backstopping to line departments		
Agriculture	Seed to plate in Groundnut and Ragi	Ramesh P.R. and Radha R Banakar
Horticulture	Seed to Seed in French Bean, Okra , Onion Propagation Techniques in Horticulture Crops	Dr. Somashekar, Prashanth J.M. Prashanth J.M. , Dr. Somashekar
Animal Husbandry	-	-
Fisheries	-	-
Agricultural Engineering	-	-

Sericulture	-	-
Literature/publication	12	All Staff members
Electronic Media	12	All Staff members
Kisan Mobile Advisory Services	-	-
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**	All Staff members

9. ADDITIONAL ACTIVITIES PLANNED

Sl.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1.	ICAR-NICRA Project	Technology Demonstration Component	• Land resource development • soil and water conservation interventions • New Rain Water structure interventions • Renovation of defunct Rain water harvesting structures Interventions • Crop interventions • Farm Mechanization • Live Stock	**Rs. 65.70 Lakhs**	Dr. L.B.Naik, P.R. Ramesh , Prashanth J.M.
2.	NHM Scheme	Spawn Production	• Spawn Production of different variety of Mushrooms	**Rs. 15 Lakhs**	Radha R Banakar , Somashekar
3.	KaMPa	Amla Campaign	• Production of Amla Seedlings • Planting of Amla Seedlings in the Schools & Colleges	**Rs. 2 Lakhs**	Prashanth J.M., K.N.Jagadish

			• Capacity Building to the Teachers		
4.	NHM Scheme	Mass Multiplication of Medicinal Plants	• Multiplication of different Medicinal Plants Seedlings	**Rs. 4 Lakhs**	Dr. Somashekar, Prashanth J.M.
5.	NHM Scheme	Soil & Water Testing Laboratory	• Soil Sampling & Water Testing	**Rs. 20 Lakhs**	P.R. Ramesh
6.	NHM Scheme	Plant Health Clinic	• Diagnosis of Plant Diseases	**Rs. 30 Lakhs**	Hanumanthegowda

10. Revolving Fund

A. Financial status

Opening balance as on 01.04.2011 (Rs.in Lakh)	Expenditure incurred during 2011-12 (Rs.in Lakh)	Receipts during 2011-12 (Rs.in Lakh)	Closing balance as on 31.01.2012 (Rs.in Lakh)
3.67	1.55	5.90	8.02

B. Plan of activities

Amount to be invested (Rs.)	Purpose	Expected production	Approximate value of the produce	Scientists Involved
50,000	**Seed production** Bhendi -Arka Anamika	8 qt	160000	Somshekhar J.M.Prashanth K.S.SannaManjunath
5000	Aster	5 kg	20000	
10000	Arecanut	70,000 Nos.	1000000	
4000	Drumstick	2000 Nos	10000	
20000	Coconut.	1000 Nos	75000	
5000	Mango.	2000 Nos	70000	
25000	Hybrid chilli	5 kg	100000	
40000	Hybrid Tomato	5 kg	100000	
6000	French bean	4 qt	40000	
10000	Neem and pongamia soap	100 kg	12500	B.H.Gowda P.R.Ramesh
6000	Ragi malt	130 kg	8000	Radha R.Banakar
		Total	**1595500**	

Sl.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
1.	Arecanut plate making machine	Rs. 60 /100 plates	Rs. 3000 per month	Radha R Banakar, Somashekhar
2.	Tamarind processing and packing	Rs. 1 /kg	Rs. 10000 per month	KN Jagadish, Prashanth JM, Ramesh P.R

11. Activities of soil, water and plant testing laboratory

Type	No. of samples to be analyzed	Names of the team members involved
Soil		
Water		
Plant		
Others		

12. E-linkage

Sl. No.	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
1.	Creation of web-site	Jan 2013	
2.	Title of the technology module to be prepared	Central of Excellence, Jan 13	
3.	Creation and maintenance of relevant database system for KVK	December, 12	
4.	Any other (Please specify)		

13. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

Sl. No.	Activities planned	Remarks if any

14. Innovative Farmer's Meet

Particulars	Details
Are you planning for conducing Farm Innovators meet in your district?	Yes/ No
If Yes likely month of the meet	Nov 2012
Brief action plan in this regard	

15. Farmer's Field School planned

Sl. No.	Thematic area	Title of the FFS	Budget proposed in Rs.
1.	Drought Resistant	IPM in Tomato	30000

16. Budget

A. Details of budget utilization (2011-12) upto 31 January 2012

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	33.0		4742542
2	**Traveling allowances**	1.0		149772
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	1.5		104138
B	POL, repair of vehicles, tractor and equipments	1.2		118673
C	Meals/refreshment for trainees	0.65		52522
D	Training material	0.3		27750
E	Frontline demonstration except oilseeds and pulses	2.25		122640
F	On farm testing	1.1		50395
G	Training of extension functionaries	0.25		0
H	Maintenance of buildings	0.20		0
I	Extension activities	0.25		0
J	FFS	0.25		0
K	Library	0.05		0
TOTAL (A)		**42.0**		5368432
B. Non-Recurring Contingencies				
1	**Works**	53.0		-
2	**Equipments including SWTL & Furniture**	-		
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-		
4	**Library**	-		
TOTAL (B)				
C. REVOLVING FUND		53.0		-
GRAND TOTAL (A+B+C)		**95.0**		**5368432**

B. Details of Budget Estimate (2012-13) based on proposed Action Plan

Sl. No.	Particulars	BE 2012-13 proposed
A. Recurring Contingencies		
1	**Pay & Allowances**	**63.5**
2	**Traveling allowances**	**1.5**
3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**3.0**
B	POL, repair of vehicles, tractor and equipments	**2.0**
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	**2.0**
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	**1.5**
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	**3.25**
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	**1.5**
G	Training of extension functionaries	**0.5**
H	Maintenance of buildings	**3.0**
I	Establishment of Soil, Plant & Water Testing Laboratory	**25.0**
J	Library	**0.20**
k	Extension activities	**0.5**
i	FFS	**0.3**
TOTAL (A)		**106.25**
B. Non-Recurring Contingencies		
1	**Works**	**-**
2	**Equipments including SWTL & Furniture**	**3.0**
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	**-**
4	**Library** (Purchase of assets like books & journals)	**0.1**
TOTAL (B)		**3.1**
C. REVOLVING FUND		**-**
GRAND TOTAL (A+B+C)		**110.85**