ACTION PLAN OF KVK, GADA

FOR THE YEAR 2014-15

Submitted to

ZONAL PROJECT DIRECTOR
ZONAL PROJECT DIRECTORATE
ZONE VIII, ICAR, BANGALORE

By

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CONTENTS

ACTION PLAN OF KVK, GADAG FOR THE YEAR 2014-15

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	K.H. Patil Krishi Vigyan Kendra Hulkoti – 582205 Dist.: Gadag, State: Karnataka Phone : (08372) 289606 Fax : (08372) 289474 E-mail : khpatil_kvk_hulkoti@yahoo.com, kvkhulkoti@gmail.com Website: www.khpkvk.org
1.2	Name and address of host organization	:	Agricultural Science Foundation Hulkoti – 582205 District: Gadag, State: Karnataka Phone : (08372) 289069 Fax : (08372) 289474 E-mail : asf_hulkoti@yahoo.co.in Website: www.asf.org.in
1.3	Year of sanction	:	1985
1.4	Website address of KVK and date of last update		www.khpkvk.org, updated on 03-02-2014

2. Details of staff as on date

				If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Current Pay Band	Current Grade Pay	Date of joining	
2.1	Programme Coordinator	Dr. L.G. Hiregoudar	Crop Physiology	37400-67000	10000	19.10.1985	-
2.2	Subject Matter Specialist	Mr. S.K.Mudlapur	Plant Protection	15600-39100	6600	22.07.1985	-
2.3	Subject Matter Specialist	Mr. S.H.Adapur	Ag. Extension	15600-39100	6600	22.11.1990	-
2.4	Subject Matter Specialist	Smt. S.S.Rayanagoudar	Home Science	15600-39100	6600	20.07.1993	-
2.5	Subject Matter Specialist	Mr. V.D.Vaikunthe	Agronomy	15600-39100	6600	23.07.1985	-
2.6	Subject Matter Specialist	Mr. K.T.Patil	Horticulture	15600-39100	6600	25.07.1985	-
2.7	Subject Matter Specialist	Mr. N.H.Bhandi	Soil Science	15600-39100	5400	01.06.2005	-
2.8	Programme Assistant	Mr. B.M.Murgod	Animal Husbandry	9300-34800	4200	25.06.2007	-
2.9	Computer Programmer	Smt. L.S.Asuti	-	9300-34800	4200	01.06.2005	-
2.10	Farm Manager	Mr. Suresh L. Halemani	-	9300-34800	4200	01.02.2011	-
2.11	Accountant/Superintendent	Mr. M.B. Jakkanagoudar	-	9300-34800	4200	25.06.2007	-
2.12	Stenographer	Smt. M.S. Halappanavar	-	5200-20200	2400	01.01.2011	-

				If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Current Pay Band	Current Grade Pay	Date of joining	
2.13	Driver 1	Mr. N.L. Hadapad	-	5200-20200	2000	03.09.1992	-
2.14	Driver 2	Mr. G.D. Madivalar	-	5200-20200	2000	20.07.1995	-
2.15	Supporting staff 1	Mr. S.B. Kotabagi	-	5200-20200	1900	18.07.1985	-
2.16	Supporting staff 2	Mr. V.R. Navalli	-	5200-20200	1900	20.07.1993	-

3. Details of SAC meeting conducted during 2013-14

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2014-15
3.1	**29-08-2013**	Prepare soil profile & soil fertility map of KVK farm and organic carbon status in KVK farm	Preparation of soil fertility map of KVK farm and status of organic is under progress	04-06-2014 & 12-11-2014
		Celebrate World Environment Day on June 5th in collaboration with Forestry department	It will be organized on June 5th,2014	
		Explore the possibility of demonstrating terrace garden on roof of KVK building	The demonstration unit on terrace garden has been established	
		Advise farmers to grow 6-12 lines of Jowar/Maize around onion crop to check thrips attack	The farmers have been advised through trainings, KMAS and extension literatures	
		Making branding of KVK products and sell under brand name	It is under progress	
		Analyse cost benefit ratio of Ashwagandha cultivation. Based on this, advise the farmers to grow with buyback arrangement	It is being worked out under FLD programme on Ashwagandha	
		Publish relevant literature about dry land agriculture	Literature on soil and water conservation, rain water harvesting & organic farming have been published	
		Popularisation of schemes of Horticulture Department for the benefit of horticulture growers	The schemes are being popularized by KVK through trainings and advisory services	
		To keep records of details of bore well and open well recharging units in terms of depth of water before and after each rainfall throughout the year to indicate quantum of rainwater harvested	The records pertaining to harvesting of rain water shall be taken from 2014-15 as there was no sufficient rains and no sufficient run-off during 2013-14 where we have taken up bore well & open well recharging demonstrations	

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2014-15

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Vegetable seed production technology	IIHR, Bangalore	Open pollinated varieties are required for vegetable production as it reduces the cost of cultivation
4.1.2	Cashew nut processing technology	NRC Cashew, Puttur	To promote Cashew processing, as area under Cashew nut is increasing
4.1.3	Alternate land use systems	CRIDA, Hyderabad	To promote different land use system models
4.1.4	Soil & water conservation measures	CSWCRTIRC, Udhagamandalam	To adopt proper soil & water conservation
4.1.5	Production technology in Sugarcane	Sugarcane Breeding Institute, Coimbatore	Sugarcane area in the district is increasing
4.1.6	Recent production technologies in oilseeds	DOR, Hyderabad	To know about recent production technologies
4.1.7	Market led extension & new dimension of agriculture marketing	National Institute of Agricultural Marketing, Jaipur	To understand the frontier area of market led extension and agricultural marketing

4.2. Cross-learning across KVKs during 2014-15

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – KVK, Bijapur	Dry land agriculture technologies
4.2.2	Within the zone – KVK, Mysore	Organisation of Krishi Mela
4.2.3	Outside zone – KVK, Ahamadnagar	ICT initiatives for agriculture extension

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2014-15

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, Bijapur	Dry land horticulture & Alternate Land Use Systems	Dry land agricultural practices
5.2	KVK, Koppal	Value addition in agriculture produce	Expertise on paddy cultivation
5.3	KVK, Belgaum	Value addition in agriculture produce	Expertise on Sugarcane
5.4	KVK, Dharwad	Value addition in agriculture produce & Alternate Land Use Systems	Seedling production in Polyhouse

6. Operational areas details proposed during 2014-15

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	Field crops	Less soil fertility due to non-use of organic manures	1.25 lakh ha.	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kuradagi cluster comprising of Kuradagi and Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kurivinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	• FLD on organic input preparation • Vermicompost, Vermiwash, Jeevamrutha, Ghana Jeevamrutha, Azolla
6.2	Maize	Low productivity due to imbalanced nutrition	5000 ha	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Arishinagodi cluster	• FLD on ICM practices • INM based on soil test results • Chemical weed management • Turcicum leaf blight management
		High incidence of stem borer	8000 ha		
		High incidence of Turcicum leaf blight	5000 ha		
		High incidence of weed	15000		

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.)*
		Health problems during threshing and winnowing	10000	comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	• Stem borer management • Introduction of protective clothing • Trainings on ICM in maize • Supply of literature on ICM practices • Field day • Rendering Kisan Mobile Advisory Services to farmers
6.3	Rabi Sorghum	Decreasing productivity of M 35-1 variety Moisture stress	30000 ha	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk	• Assessment of SPV-2217 and CSV-22 variety for higher productivity • FLD on value addition in Rabi Sorghum and marketing of various products • Method demonstration of cycle weeder • Training on shoot fly and Aphid management
		Incidence of shoot fly			
		Incidence of Aphids			
		Less market price for the produce and lack of value addition			
6.4	Wheat	Decreasing productivity of DWR-162 variety	8000 ha	• Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk	• FLD on ICM practices • Introduction of UAS-304 variety • Chemical weed management • INM • Wilt and stem borer management • Improved sickle
		Imbalanced nutrition	5000 ha		
		High incidence of weeds	6000 ha		
		Incidence of wilt and stem borer	5000 ha		

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.)*
		Drudgery in harvesting of wheat			• Trainings on ICM in wheat • Field day • Supply of literature on ICM in wheat
6.5	Foxtail millet	Lack of awareness on value addition of foxtail millet and marketing of value added products	150 ha	• Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk	• FLD on value addition and marketing of foxtail millet products • Trainings • Supply of literature
6.6	Bt. Cotton	Imbalanced nutrition & non-split application	15000 ha	• Kadakol cluster comprising of Kadakol, Jalligeri & Hosalli in Shirahatti Taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	• FLD on ICM practices • Trainings on ICM practices • Supply of relevant literatures
		High incidence of sucking pest in early stage	8000 ha		
		Lack of knowledge on production technology	80% of farmers		
		Abiotic stress			

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.)*
6.7	Sugarcane	• Lack of knowledge about balanced nutrition and inappropriate management of pest & diseases (smut, early shoot borer & stem borer)	3000 ha	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kadakol cluster comprising of Kadakol, Jalligeri & Hosalli in Shirahatti Taluk	• Trainings & Farmers-Scientist interaction on ICM practices and irrigation methods • Supply of relevant literature • Exposure visits • Rendering Kisan Mobile Advisory Services to farmers
6.8	Greengram	• Incidence of Powdery mildew • Low productivity of existing China Moong variety	20000 ha	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk	• FLD on introduction of DGGV-2 & BGS-9 varities • Training on management of Powdery mildew & other ICM practices
6.9	Bengalgram	Moisture stress during later crop growth period	40000 ha	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk	• FLD on ICM practices • Compartment bunding • Introduction of JG-14 & JAKI-9218 varieties • Seed priming with $CaCl_2$- 2% • Wilt management • Cycle weeder • Pod borer management • Hand gloves • Spiral separator • Training on ICM practices • Supply of literature on ICM practices • Field days
		High Incidence of wilt	15000 ha		
		Recurring Incidence of pod borer	25000 ha		
		Less market price due to uncleaned and ungraded produce	--		
		Drudgery in harvesting of bengalgram	40000 ha		
6.10	Groundnut (Bunch) (Summer	Decreasing productivity of TMV-2 variety during Summer season	10000	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in	• Assessment of TAG-24, Kadari-6, Kadari-9 and TMV-13 varieties in comparison with TMV-2 for higher productivity in summer

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.)*
	season)			Mundaragi taluk	season (OFT)

					• Trainings on ICM practices
					  • INM based on soil test result
					  • Chemical weed management
					  • Collar rot and leaf spot management
					  • Leaf minor management
					  • Groundnut decorticator
					• Supply of literature on ICM practices
					• Field day
					• Rendering Kisan Mobile Advisory Services to farmers

6.11	Groundnut (Bunch) (Kharif season)	• Low productivity of existing TMV-2 variety • Incidence of Collar rot • Incidence of leaf spot	10000 ha 5000 ha	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk	• Assessment of Kadari-6, Kadari-9 & TMV-13 varieties for higher productivity • Training on IDM • Supply of literature on ICM practices • Field day • Rendering Kisan Mobile Advisory Services to farmers
6.12	Groundnut (spreading)	• Moisture stress	15000 ha	• Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster	• Assessment of root grub control recommendations • Training on ICM practices • Supply of literature • Field day
		• Imbalanced nutrition	10000 ha		
		• Incidence of collar rot	5000 ha		
		• Incidence of leaf spot	6000 ha		
		• Incidence of root grub	5000 ha		
		• Incidence of leaf minor	8000 ha		

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				comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	
6.13	Onion	• Low yield of the existing Bellary Red variety & low keeping quality of bulbs	25000 ha	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk	• Assessment of Onion varieties viz., Arka Kalyan, Arka Bheem and Bheema Super varieties for higher productivity & good keeping quality bulbs • Trainings on ICM in onion crop • Supply of relevant literature • Supply of quality seeds • Field day
6.14	Chilli	• Lack of knowledge about Murda management & post harvest technologies	8000 ha	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk	• Training on ICM • Supply of relevant literature • Supply of quality seeds • Rendering Kisan Mobile Advisory Services to farmers

6.15	Onion + Chilli	• Incidence of weed	10000 ha	• Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk	• FLD on ICM practices in Onion crop
					  • Introduction of Arka Kalyan variety
					  • Chemical weed management
					  • Management of purple blotch
					• Training on ICM practices in Chilli
					• Supply of literature
					• Field day

		• Incidence of purple blotch	8000 ha		
		• Incidence of leaf twisting	5000 ha		
		• Incidence of Murda complex	10000 ha		
		• Flower dropping	10000 ha		
		• Incidence of powdery mildew	5000 ha		
		• Imbalanced nutrients	6000 ha		
6.16	Banana	Improper nutrition and scheduling of irrigation in Red sandy clay soils	5000 ha	• Kadakol cluster comprising of Kadakol, Jalligeri & Hosalli in Shirahatti Taluk	• Training on ICM • Post harvest technology • Supply of relevant literature on Banana • Rendering Kisan Mobile Advisory Services to farmers
		Reduced bunch weight	3000 ha		
		Incidence of Sigatoka disease	3000 ha		
		Lack of knowledge on production technology	90% of growers		

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.)*
6.17	Tuberose	Lack of knowledge on production technology	1500 ha	• Kadakol cluster comprising of Kadakol, Jalligeri & Hosalli in Shirahatti Taluk	• Trainings on ICM • Supply of relevant literature
6.18	CB Cows	• Low productivity of milk due to following • Farmers not growing green fodder species • Incidence of ecto-endo parasites • Incidence of Mastitis	5000 no. of CB cows	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	• FLD on fodder production • FLD on Azolla production • Training on scientific management of dairy animals • Relevant Literature •Rendering Kisan Mobile Advisory Services to farmers
6.19	Drudgery in home	• Smokey kitchen	90% of rural households	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kuradagi cluster comprising of Kuradagi &	• Method demonstration on less smoke producing chulhas • Training on fuel saving devices • Supply of literature

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.)*
				Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	
6.20	Grain storage	• Lack of knowledge about appropriate management practices for control of stored grain pest at house hold level	60-70% of households	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk	• Training on scientific grain storage methodologies • Supply of relevant literature

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				• Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	
6.21	• Nutrition and health (farmwomen)	• Lack of knowledge on balanced diet	40% of households	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	• Trainings on balanced diet and nutrition • Importance of millets in diet • Value addition in millets • Supply of literature
6.22	• Nutrition and reproductive health education for	• Lack of knowledge on personal hygiene and reproductive health	Majority of school children & young girls	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk	• Trainings on balanced diet and nutrition • Trainings on reproductive health and personal hygiene to young girls

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	school children and young girls		are facing problems in these areas	• Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	
6.23	Existing SHGs	• Less knowledge on SHG management • Less knowledge about IGAs	60% of SHGs	• Hirehandigol cluster comprising of Hirehandigol, Dundur, Shagoti & Hosalli villages in Gadag taluk • Arishinagodi cluster comprising of Arishanagodi & Kuruvinakoppa villages in	• FLD on promotion and marketing of Tamarind products as an IGA activity • Capacity building of SHGs • Awareness on multiple IGA modules • Supply of literature

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.)*
				Naragund taluk	
	FIG/CIG	• Farmers are not organized for technical purposes	All villages	• All clusters	• Capacity building of FIG/CIG • Preparing FIG/CIG as forum for transfer of technologies
6.24	Groundwater	Insufficient irrigation water due to decrease in ground water	80% of bore wells	• Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	• Awareness programs on groundwater recharging • Front Line Demonstrations on artificial recharging of groundwater through bore wells • Training programmes on recharging of groundwater • Supply of leaflet on recharging of ground water through bore well and open well
6.25	Existing Rainfed cropping system	• Non diversification in field crops resulting in income insecurity to the farmers	80% of farm families	• Kakkur cluster comprising of Kakkur, Hesarur & Nagarahalli villages in Mundaragi taluk • Kuradagi cluster comprising of Kuradagi & Yerebeleri villages in Ron taluk • Arishinagodi cluster comprising of Arishinagodi & Kuruvinakoppa villages in Naragund taluk • Hirehandigol cluster comprising of Hirehandigol, Dundur,	• Sensitization programmes on crop diversification and enterprises • FLDs on promotion of dryland horticulture for income security through establishment of mixed fruit orchards (mango & tamarind) • Training on integrated farming systems & dry land horticulture • Exposure visits • Farm advisory services.

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.)*
				Shagoti & Hosalli villages in Gadag taluk • Beladhadi cluster comprising of Beladhadi, Nabhapur & Harti villages in Gadag taluk	

* Support with problem-cause and interventions diagram

7. Technology Assessment during 2014-15

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 interventi on (Rs.)	Parameters to be studied	Team members
7.1	Groundnut (Bunch - Kharif)	• Decreasing productivity in TMV-2 variety in Kharif season • Moisture stress	Assessment of Kadari-6, Kadari-9 & TMV-13 varieties for higher productivity	*1) Farmers' Practice* Cultivation of local TMV-2 variety	-	-	-	-	3	-	• Height of the plant • No. of pods/ plant • Seed weight (100 kernals) • Duration • Pod yield • % oil content • Weight of dry matter (per 100 sq.ft) • % incidence of pests & diseases	Mr. V.D.Vaikunthe, SMS (Agronomy) & S.K.Mudlapur, SMS (Plant Protection)
				2) Technology Option-1 Cultivation of GPBD-4 variety	UAS, Dharwad	GPBD-4 (pods)	0.5 Qtl/ @ Rs. 6500/Qtl	3250		9750		
				3) Technology Option-2 Assessment of Kadari-6 variety	(ARS-Kadari) ANGRAU-Hyderabad	Kadari-6 (pods)	0.5 Qtl @ Rs.6500 /Qtl	3250		9750		
				4) Technology Option-3 Assessment of Kadari-9 variety	(ARS-Kadari) ANGRAU-Hyderabad	Kadari-9 (pods)	0.5 Qtl @ Rs.7500 /Qtl	3750		11250		
				5) Technology Option-4 Assessment of TMV-13 variety	TNAU, Coimbatore	TMV-13 (pods)	0.5 Qtl @ Rs.7000 /Qtl	3500		10500		
							Total	**13750**		**41250**		
7.2	Groundnut (Bunch – Summer)	• Decreasing productivity in TMV-2 variety during summer season	Assessment of Kadari-6, Kadari-9 & TMV-13 varieties for higher productivity	*1) Farmers' Practice* Cultivation of local TMV-2 variety	-	-	-	-	3	-	• Height of the plant • No. of pods/ plant • Seed weight (100 kernals) • Duration • Pod yield • % oil content • Weight of dry matter (per 100 sq.ft) • % incidence of pests & diseases	Mr. V.D.Vaikunthe, SMS (Agronomy) & S.K.Mudlapur, SMS (Plant Protection)
				2) Technology Option-1 Cultivation of TAG-24 variety	UAS, Dharwad	TAG-24 (pods)	0.5 Qtl @ Rs. 6500/Qt	3250		9750		
				3) Technology Option-2 Assessment of Kadari-6 variety	(ARS-Kadari) ANGRAU-Hyderabad	Kadari-6 (pods)	0.5 Qtl (@ Rs.6500 /Qt	3250		9750		
				4) Technology Option-3 Assessment of Kadari-9 variety	(ARS-Kadari) ANGRAU-Hyderabad	Kadari-9 (pods)	0.5 Qtl @ Rs.7500 /Qtl	3750		11250		
				5) Technology Option-4 Assessment of TMV-13 variety	TNAU, Coimbatore	TMV-13 (pods)	0.5 Qtl @ Rs.7000 /Qtl	3500		10500		
							Total	**13750**		**41250**		

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
7.3	Groundnut (Spreading)	• High incidence of root grub infestation	Assessment of root grub control recommendations	*1) Farmers' Practice* No treatment	-	-	-	-	5	-	• No. of pods/ plant • No. of root grubs/sq. mtr • No. of plants affected by root grubs • Yield (Q/ha) • Fodder yield (tons/ha)	S.K.Mudlapur, SMS (Plant Protection) & Mr. V.D.Vaikunthe, SMS (Agronomy)
				2) Technology Option-1 • Seed treatment with Chlorpyriphos @ 12 ml/Kg of seeds • Installation of light traps	UAS, Dharwad	Chlorpyriphos @ 12 ml/Kg of seeds	900 ml @ Rs.350/ liter	312		1560		
						Light traps @ Rs.3500/ trap	1	3500		17500		
				3) Technology Option-2 • Seed treatment with Imidacloprid @ 3.5 ml/Kg of seeds • Installation of light traps	ICRISAT, Hyderabad	Imidacloprid @ 3.5 ml/Kg of seeds	265 ml @ Rs.2500/ liter	662		3310		
				4) Technology Option-3 • Soil application with Metarhizium anisopliae @ 5 Kg/ha	UAS, Dharwad	Metarhizium anisopliae	5 Kg	500		2500		
							Total	**4974**		**24870**		
7.4	Onion	• Abiotic stress • Low keeping quality of bulbs in existing variety • High incidence of purple	Assessment of Arka Bheem and Bheema Super onion variety for better keeping quality bulbs	1) *Farmers' Practice* Cultivation of local onion variety (Bellary Red)	-	-	-	-	3	-	• Bulb weight • No. of bulbs damaged • Yield Qt/ha • Market price (Rs./Qtl) • Farmers preferences & feedback	Mr.K. T. Patil, SMS(Horticulture) & S.K. Mudlapur, SMS (Plant Protection)
				2) Technology Option-1 UAS practices (i) Cultivation of Arka Kalyan variety	Variety released by IIHR & recommended by UAS, Dharwad	Seeds	4 Kg @ Rs.25000/Qtl	2000		6000		

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
		blotch • High incidence of weeds		*3) Technology Option-2* Cultivation of Arka Bheem variety	IIHR, Bangalore	Seeds – Arka Bheem variety	4 Kgs @ Rs.750/Kg	3000		9000		
				4) Technology Option-3 Cultivation of Bheema Super variety	NRC on Onion & Garlic, Pune	Seeds of Bheema Super	4 Kgs @ Rs.60000/Qtl	2400		7200		
							Total	**6400**		**22200**		
7.4	Rabi Sorghum	Decreasing productivity of M 35-1 variety	Assessment of SPV-2217 variety for higher productivity	1) *Farmers' Practice* Cultivation of M 35-1 variety	-				**5**	**1200**	• Height of the plant • Grain yield • Dry fodder yield • Duration of the crop • Seed weight (100 nos.) • Palatability of fodder • Organoleptic evaluation of Sorghum Roti	Mr. V.D.Vaikunthe, SMS (Agronomy), S.K. Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
				2) *Technology Option-1* Cultivation of CSV-22 variety	UAS, Dharwad	Seeds (CSV-22)	3 Kg	**120**				
				2) Technology Option-2 Assessment of SPV-2217 variety	UAS, Dharwad	Seeds (SPV-2217)	3 Kg	**120**				
							Total	**240**		**1200**		
							Grand Total			**130770**		

8. Technology Refinement during 2014-15 : NIL

9. Frontline Demonstrations during 2014-15

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													
		Maize (Irrigated condition)	• Low productivity due to imbalanced nutrition coupled with non-split application • High incidence of weed • High incidence of turcicum leaf blight • Incidence of stem borer • Lack of technical knowledge • Health problems during threshing and winnowing	FLD on ICM practices	Hybrid	CP-818 and Super 900-M gold	UAS, Dharwad	• $ZnSO_4$	25 Kg	1050	20 (8 ha)	21984	• Intensity of weed (At 45 DAS) • Turcicum leaf blight disease percentage • Cob length • No of grains/cob • No. of stem borer affected plant/100 Sq.mtr. area • Seed weight (1000 nos) • Yield (Qtl/ha)	Mr. N.H.Bhandi, SMS (Soil Science), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy), & Mrs. Sudha S.R., SMS (Home Science)
								• Attrazine 50 WP	1 Kg	340				
								• Carbofuran	7.5 Kg	638				
								• Mancozeb (2 sprays)	2.0 Kg	720				
										2748/ha				
								• Protective clothing	10 Nos.	2500		2500		
											Total	**24484**		

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
		Rabi Sorghum	• Less price for the produce • Lack of awareness on value addition in Sorghum	FLD on value addition and marketing of Sorghum products	-	-	Directorate of Sorghum Research, Hyderabad	Sealing machine	1 No.	2000	1 No.	**21000**	• Organoleptic evaluation • Consumer preference • Economics of value added products	
								Weighing balance	1 No.	5000				
								Food grade packing materials	-	3000				
								Cookies cutter	1No.	2000				
								Nutrition labeling – 2000 labels @ Rs.2/label	-	4000				
								Ingredients (Sugar, Maida, Vanaspathi etc.)	-	1000				
								Chakkali press	2	1000				
								Product label	-	3000				
		Wheat (Irrigated condition)	• Decreasing productivity of DWR-162 variety • High incidence of weed • Incidence of wilt and stem borer • Drudgery in harvesting of wheat	FLD on introduction of UAS-304 along with ICM practices	Variety	UAS-304	UAS, Dharwad	• Seed (UAS-304)	150 Kg	5250	5 (2 ha)	14540	• Height of plant • No. of tillers/plant • Length of earhead • Grain yield • Seed weight (100 nos)	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
								• 2, 4-D	2.5 Kg	850				
								• Carboxin	500 gm	660				
								• Carbosulfan	750 ml	510				
										7270				
								• Sickles	10 Nos.	1500		1500		
											Total	**16040**		

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
9.2	Millets	Foxtail millet	• Lack of awareness on value addition of foxtail millet and marketing of value added products	• Value addition of foxtail millet • Packing and nutritional labelling	-	-	UAS, Dharwad	Sealing machine	1No.	2500	1 No.	**23500**	• Organoleptic evaluation • profit earned	
								Nutrition labeling	-	3000				
								Weighing scale	1 No.	5000				
								Product label	-	3000				
								Papad press	2 No.	1000				
								Cookies cutter	1 No.	2000				
								Chakkali press	2 No.	1000				
								Ingredients and other miscellaneous expenses	-	3000				
9.3	Oilseeds													
9.4	Pulses	Green gram	• Moisture stress • Incidence of pod borer • Incidence of powdery mildew • Less market price due to uncleaned produce	• *In-situ* soil moisture conservation practices • FLD on ICM practices in DGGV-2 & BGS-9 variety	Variety	DGGV-2 & BGS-9	UAS, Dharwad	• Seeds (DGGV-2 & BGS-9)	12.5 Kg	1000	10 (4 ha)	8260	• Plant height • No. of pods per plant • Seed weight (100no) • Percentage of disease incidence • Pod borer incidence • Time , cost incurred & mandays required for cleaning, grading of grains • Yield/ha & Market price for cleaned & graded grains	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), & Mrs. Sudha S.R., SMS (Home Science)
								• Rhizobium	500 gm	25				
								• PSB	500 gm	25				
								• $CaCl_2$	300 gm	40				
								• Lamda Cylahothrin	400 ml	225				
								• Nimbicidin	750 ml	200				
								• Propiconazole	375 ml	550				
										2065				
								• Spiral Separator	1 no	-		3500		
								• Bund former	1 no	1000				
								• Cycle weeder	2 no	2500				

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
											Total	**11760**		
		Bengal gram	• Moisture stress • Incidence of wilt • Incidence of pod borer • Drudgery in harvesting of bengalgram • Less market price due to uncleaned produce	• Insitu soil moisture conservation practices • FLD on ICM practices in JG-14 & JAKI -9218 varieties	Variety	JG-14 & JAKI-9218	UAS, Dharwad	Seed (JG-14 & JAKI-9218)	62.5 Kg	3125	20 (8 ha)	41128	• Plant population per sq. mtr • Percentage of wilt disease • No. of pods/plant • Pod borer incidence • Time required/ Acre for harvesting • Time required & cost incurred for weeding and hoeing operation • Time and cost incurred for cleaning & grading of grains • Yield • Seed weight (100 nos) • Market price for cleaned and graded grains	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy), & Mrs. Sudha S.R., SMS (Home Science)
								Rhizobium	1250 gm	62				
								PSB	1250 gm	62				
								Trichoderma	500 gm	100				
								Pheromone traps	8 nos	160				
								Lures	16 nos	192				
								Flubendimide	40 ml	640				
								Rainoxyfire	60 ml	800				
										5141				
								Bund former	1 No.	1000		5300		
								Jeans Hand gloves	12 nos	1800				
								Cycle weeder	2 nos.	2500				
								Spiral separator	1 nos	-				
											Total	**46428**		

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
9.5	Commercial crops	Bt. Cotton (Irrigated)	• Dropping of square & tender bolls • Leaf reddening • Imbalanced nutrition & non-split application • Incidence of sucking pest (early stage) • Incidence of Mirid bug and Midge • Lack of knowledge on production technology • Drudgery in harvesting of cotton	• FLD on ICM practices	Hybrid	i) Banni Bt-2 (NCS-145) ii) Kanaka-MRC-7351 iii) Shalimar-DCH-1171	UAS, Dharwad (ICM practices)	• Planofix	200 ml	150	20 (8 ha)	13920	• No. of bolls/plant • Leaf spot disease % • Sucking pest incidence percentage • Seed cotton yield (Qtl/ha) • Quantity of cotton harvested and stored/ hour • Time required / Acre for harvesting of cotton	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mrs. Sudha S.R., SMS (Home Science)
								• $MgSO_4$	4 Kg	200				
								• Fipronil	50 gm	600				
								• Hexaconazole	500 m	210				
								• Profenophos	750 ml	435				
								• DDVP	250 ml	145				
										1740				
								• Cotton bags	6	1200		1200		
											Total	**15120**		
9.6	Horticultural crops	Onion	• Abiotic stress • Low productivity in existing variety • Low keeping quality bulbs in existing variety	ICM in Arka Kalyan variety	Variety	Arka Kalyan	IIHR, Bangalore	Seeds (Arka Kalyan) Rs. 500/kg	10 Kgs	5000	10 (4 ha)	**33300**	• Bulb weight • Bulb diameter • % of disease index • Number of thrips/plant • Yield	Mr. K.T.Patil SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
								Quizolofop ethyl	750 ml	1450				
								Lambda cylothrin	375 ml	195				
								Difenconazole	350 ml	1270				
								Soluble Boron	500 gm	260				
								13:0:45	1.2 Kg	150				

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
			• High incidence of thrips & purple blotch • High incidence of weeds • Lack of knowledge on seed production technology					(KNO_3)		**8325/ha**			(Qtl/ha)	
		Fruit Orchard	• Drought prone rainfed agriculture • No crop diversification • Low yields in Red & Black soil	Dryland Horticulture in Red Soil (Mango) intercropped with red chilli, onion, spreading groundnut/ bunch groundnut & Black soil (Tamarind) intercropped with greengram & bengalgram	Variety	Alphonso in Mango under red soil	UAS, Dharwad	Mango grafts @ Rs. 53/grafts	45	2385	15 (6 ha)	35775	• Growth parameters	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
						PKM-1 in Tamarind under black soil		Tamarind grafts @ Rs.53/graft	45	2385	10 (4 ha)	23850		
											Total	**59625**		
		Value addition & IGA	• Promotion and marketing of Tamarind products as	Preparation of Tamarind products, labeling and market linkage	-	-	MGIRI, Wardha, Maharashtra	Sealing machine	1 No.	2000	1No.	**21000**		
								Weighing machine	1 No.	5000				
								Drier	1 No.	8000				

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
			an IGA activity					Labels	-	3000				
								Packing materials	-	2000				
								Ingredients for preparation of Toffees and lolly pop	-	1000				
9.7	Livestock													
	Cattle	Cross breed cows	• Increase in inter-calving period • High incidence of Ecto-Endo parasite • Incidence of mortality rate in new born calves	**(i)Fodder production Units :** Cultivation & feeding of perennial grasses and other forage crops to milking dairy animals to enhance milk yield	Grass	Hybrid Napier – DHN-6	Indian Grassland and Fodder Research Institute, RRS, Dharwad	Slips	364 Nos.	364.00	20 Nos.	**47760**	• Growth & yield parameters of fodders • Milk yield (liters/day/ animal) • Fat content (%) • SNF content (%)	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
					Grass	Guinea grass		Slips	546 Nos.	546.00				
					Grass	Rhodes Grass		Slips	1090 Nos.	545.00				
					Grass	Signal Grass		Slips	1675 Nos.	837.00				
					Dicot forage crop	Lucerne		Seeds	240 gm	96.00				
	Cattle	Cross breed cows	• Low productivity of milk as farmers are not feeding feed supplement	**(ii)Azolla Feeding for Livestock:** Cultivation and feeding of Azolla to milking dairy animals	-	Azolla	UAS, Dharwad	Azolla culture	1 kg	100	20 Nos.	2000	• Quantity of Azolla production/month • Milk yield (liters/day/ animal) • Fat content (%)	Dr. B.M.Murgod Programme Assistant (Animal Husbandry) & Mr. S.K.Mudlapur, SMS (Plant Protection)
								Poly Tarpaulin (HDPE 250 GSM) sheets (14' x 9')	1	1200		24000		
											Total	**26000**		

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
9.8	Fisheries													
9.9	Others	Ground water	Insufficient irrigation water due to decrease in ground water	Demonstration on artificial recharge of ground water through bore well	-	-	Central Ground Water Board, Bangalore & UAS, Dharwad	Earth work excavation @ Rs.115/cum	37.8 cum	4347	1No.	**84523**	• Increase in yield of the borewell • Change in quality of ground water • Increased area under irrigation • Net income from the field crops due to enhanced irrigation water	Mr. N.H.Bhandi, SMS (Soil Science) & Mr. V.D.Vaikunthe, SMS (Agronomy)
								Bed concrete @ Rs.4472/cum	1.29 cum	5768				
								Stones @ Rs.580.25/cum	30.24 cum	17546				
								Cement for construction of walls @ Rs.350/bag	20 bags	7000				
								Plastering @ Rs.145/sqm	34.20 sqm	4959				
								Cement rings (4 feet diameter) @ Rs.700/ring	5 Nos.	3500				
								Cement pipes (1 feet diameter) @ Rs.1700/pipe	3 Nos.	5100				
								Cement collor (1 feet diameter) @ Rs.600/collor	2 Nos.	1200				
								Boulders @ Rs.700/cum	13.5 cum	9450				
								Sand @ Rs.990/cum	13.5 cum	13365				
								Jelly @ Rs.1032 / cum	9.0 cum	9288				

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
								Making perforatations & purchase of Nylon mesh etc.		3000				
								Critical inputs from KVK		**84523**				
								Farmers' Contribution		**24750**				
								• Labour charges for construction of unit	9000					
								• Watering charges	2000					
								• Filling of filtering materials	3750					
								• Transportation of materials	6000					
								• Other charges	4000					
								Grand Total		**109273**				
	Others	Field crops	Less soil fertility due to non-addition of organic manures	**Soil fertility enhancement through** (i)Demonstration of vermicompost unit	-	-	UAS, Dharwad	Poly Tarpaulin vermi bed (340 GSM, Size:12'x4'x2')	1No.	2000	10	**87500**	• Quantity of vermicompost, Azolla, vermi wash & Jeevamrutha produced • Effect on soil fertility	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
								Earthworms @ 350	2 Kg	700				
				(ii) Demonstration of vermi wash unit			UAS, Dharwad	Cement Tank (1.5 ft r x 3 ft height)	1 No.	2500				
								Earth worm	3 Kg	1050				

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
				(iii)Demonstration of Azolla unit (Vermicmpost is blended with Azolla culture to enhance Nitrogen content in vermicompost. Hence Azolla preparation is included as a demonstration component)			UAS, Dharwad	Poly Tarpaulin Azolla pond liners – 250 GSM (14' x 9')	1 No.	1200			& moisture holding capacity • Growth parameters • Yield parameter	
								Azolla culture	1 kg	100				
				iv)Demonstration of Jeevamrutha preparation unit			UAS, Dharwad	1 Drum of 200 liters capacity	1 No.	1200				
									Total	**8750**				
	Others	Drudgery & health												
	Others	Integrated Farming system	• Lack of diversification leading to income insecurity	**Promotion of Technology adoption under IFS**			UAS, Dharwad	Details of critical inputs is given in the following table	-		5	**49860**	• Yield and income	All Staff
	Others	Innovative activity	Convergence of skill development efforts in farm sector	**-**	-	-	-	-	-	-	**-**	**50000**		
											Grand Total FLDs	**617900**		

Integrated Farming System

Sl. No.	Name of the farmer	Village	IFS components demonstrated during 2013-14	IFS components proposed during 2014-15					
				Technology to be demonstrated (2014-15)	Critical inputs	Quantity	Amount (Rs.)	Parameters to be studied	Team members
1	Mr. Kotrappa Kappattanavar	Shirunja	Introduction of Mango, Cashew, drumstick, Coconut, Vegetable crop cultivation, Fodder unit, Azolla unit & Backyard poultry	Vegetable cultivation, introduction of curry leaf & Vermicompost and Jeevamrutha unit	Bhendi seeds	250 gm	150	• Income from component wise crops and enterprises	Mr. S.H.Adapur, SMS (Ag. Extn), Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
					Tomato seeds	10 gm	170		
					Brinjal seeds	10 gm	100		
					Cucumber seeds	200 gm	150		
					Curry leaf seedlings	300 nos.	3000		
					Methi seeds	4 Kg	600		
					Palak seeds	2 Kg	600		
					Vermicompost unit	1 unit	3500		
					Jeevamrutha unit	1 barrel	1000		
						Sub total	**9270**		
2	Mr. Abhay Apte	Kadakol	Introduction of Mango, Drumstick & Vegetable crop cultivation	Introduction of Coconut, vegetables, curry leaf, Azolla, Vermicompost and Jeevamrutha unit	Coconut seedlings	35 Nos.	3500	• Income from component wise crops and enterprises	Mr. S.H.Adapur, SMS (Ag. Extn), Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
					Curry leaf seedlings	50 Nos.	500		
					Bhendi seeds	250 gm	150		
					Tomato seeds	10 gm	170		
					Brinjal seeds	10 gm	100		
					Cucumber seeds	200 gm	150		
					Green chilli seeds	30 gm	300		
					Azolla unit	1 No.	1300		
					Vermicompost unit	1 unit	3500		
					Jeevamrutha unit	1 barrel	1000		
						Sub total	**10670**		

Sl. No.	Name of the farmer	Village	IFS components demonstrated during 2013-14	IFS components proposed during 2014-15					
				Technology to be demonstrated (2014-15)	Critical inputs	Quantity	Amount (Rs.)	Parameters to be studied	Team members
3	Mr. Sharanappa Navi	Kadakol	Introduction of vermicompost unit, Jeevamrutha unit, Azolla unit & fodder production unit	Introduction of Coconut, Drumstick & Rose cultivation	Coconut seedlings	25	2500	• Income from component wise crops and enterprises	Mr. S.H.Adapur, SMS (Ag. Extn) & Mr. K.T.Patil, SMS (Horticulture)
					Drumstick seedlings	200	3000		
					Rose cuttings	500	5000		
						Sub total	**10500**		
4	Mr. Yellappa Sankadal	Hulkoti	Introduction of fodder production unit & vermicompost unit	Introduction of Banana, Drumstick & Vegetables	Banana seedlings	400	6000	• Income from component wise crops and enterprises	Mr. S.H.Adapur, SMS (Ag. Extn) & Mr. K.T.Patil, SMS (Horticulture)
					Drumstick seedlings	200	3000		
					Bhendi seeds	250 gm	150		
					Tomato seeds	10 gm	170		
					Brinjal seeds	10 gm	100		
						Sub total	**9420**		
5	Mr. Kariyappa Ravaloji	Hulkoti	Introduction of Mango, Papaya, fodder production, Jeevamurtha unit & vegetable crop cultivation	Introduction of Coconut, Drumstick, Sweet lime & Curry leaf	Coconut Hybrid	30 Nos.	3000	• Income from component wise crops and enterprises	Mr. S.H.Adapur, SMS (Ag. Extn) & Mr. K.T.Patil, SMS (Horticulture)
					Drumstick seedlings	200 Nos.	3000		
					Sweet lime seedlings	40 Nos.	3000		
					Curry leaf seedlings	100 Nos.	1000		
						Sub total	**10000**		
						Grand Total	**49860**		

10 Training for Farmers/ Farm Women during 2014-15

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Maize	• Low productivity due to imbalanced nutrition, incidence of stem borer, turcicum blight & weeds	FLD in ICM	Integrated crop management practices in maize for higher productivity	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Rabi Sorghum	• Moisture stress during critical stages	Assessment of CSV-22 & SPV-2217 (OFT)	Resource conservation technologies in rabi sorghum	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Wheat	• Decreasing productivity of DWR-116 variety • Imbalanced nutrition • High incidence of weed • Incidence of wilt & stem borer	FLD on introduction of UAS-304 variety along with ICM practices	ICM practices in wheat in Malaprabha Command Area	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Greengram	• Low productivity of existing variety • High incidence of pests & diseases • Less price due to ungraded produce	FLD on introduction of DGGV-2 variety	ICM practices in Greengram	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
		Bengalgram	• Moisture stress • High incidence of wilt • High incidence of pod borer • Less price due to ungraded produce • Drudgery in harvesting	FLD on ICM practices in JG-14 & JAKI-9218 varieties	ICM practices in Bengalgarm	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mrs. Sudha S.R., SMS (Home Science)
		Groundnut bunch (Summer)	• Decreasing productivity of TMV-2 during summer	Assessment of K-6, K-9, TMV-13 &	ICM practices in summer groundnut for higher productivity	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
				TAG-24 varieties (OFT)				(Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bunch Groundnut (Kharif)	• Decreasing productivity of TMV-2 during Kharif season	Assessment of K-6, K-9 & TMV-13 varieties (OFT)	ICM practices in Kharif groundnut for higher productivity	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Groundnut (Spreading)	• Moisture stress • Imbalanced nutrition • Incidence of collar rot, leaf spot, root grub & leaf minor	FLD on ICM practices	Training on ICM practices	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bt. Cotton	• Imbalanced nutrition • High incidence of sucking pest • Lack of knowledge on production technology • Leaf reddening	FLD on ICM practices	Training on ICM practices in Bt. cotton	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Sugarcane	Lack of knowledge on balanced nutrition and inappropriate management of smut, early shoot borer	-	Training on ICM practices with focus on irrigation, nutrient & pest management	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
10.2	Horticulture Production & Plant Protection	Onion	• Low productivity of existing Bellary red variety and low keeping quality of bulbs	Assessment of Arka Bheem, Bheema Super & Arka Kalyan variety (OFT)	Training on ICM practices in onion under rainfed situation	1	30	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
		Onion + Chilli	• High incidence of weed • High incidence of purple blotch in onion • Imbalanced nutrition • Flower drop in Chilli • Incidence of Powdery mildew	FLD on ICM in Onion	Training on ICM practices in Onion + Chilli based cropping system	2	60	Mr. K.T.Patil, SMS (Horticulture), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Existing rainfed cropping system	• Non diversification of field crops resulting in income insecurity to the farmers	FLD on dry land horticulture	Establishment of fruit orchards (Mango & Tamarind) under dry land for income security	5	150	Mr. K.T.Patil, SMS (Horticulture)
		Banana	• Improper nutrition • Reduced bunch weight • Incidence of Sigatoka disease • Lack of knowledge on production technology	-	Training on ICM practices in Banana	1	30	Mr. K.T.Patil, SMS (Horticulture), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Tuberose	• Lack of knowledge on production technology	-	Training on ICM practices in Tuberose	1	30	Mr. K.T.Patil, SMS (Horticulture), Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
10.3	Livestock Production	CB Cows	Low productivity of milk due to • Non cultivation of fodder crops • Incidence of ecto-endo parasites • Incidence of Mastitis	FLD on fodder production	• Promotion of fodder production technologies for getting higher milk productivity in CB Cows • Management of ecto-endo parasites & mastitis in CB Cows	1	20	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
			No supplements feeding	FLD on Azolla	• Cultivation of Azolla & feeding methods	1	20	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
10.4	Home Science	Maize	Health problems during threshing & winnowing	FLD on ICM practices	Functional clothing for agricultural operations in Maize	2	60	Mrs. Sudha S.R., SMS (Home Science)
		Bengalgram	Drudgery in harvesting	FLD on ICM	Application of hand gloves for harvesting of bengalgram	2	60	Mrs. Sudha S.R., SMS (Home Science)
		Nutrition (Farm women)	Lack of knowledge on balanced diet	-	Training on balanced diet and nutrition with emphasis on millet based food	5	150	Mrs. Sudha S.R., SMS (Home Science)
		Drudgery in Home	Smokey kitchen resulting in health problems for women	FLD on chulhas	Training on improved chulhas for healthy kitchen	5	150	Mrs. Sudha S.R., SMS (Home Science)
10.5	Plant Protection	Maize	High incidence of stem borer and Turcicum leaf blight	FLD on ICM in Maize	Management of stem borer and Turcicum leaf blight in Maize	2	60	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bengalgram	• Recurring incidence of pod borer • High incidence of wilt	FLD on ICM practices	Integrated Pest Management for management of Pod borer	2	60	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Groundnut (Spreading)	• High incidence of collar rot, root grub, leaf minor and leafspot disease	OFT on root grub management	Integrated pest and disease management in groundnut	1	30	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bt. Cotton	• High incidence of sucking pest	FLD on ICM practices	Training on management of sucking pests in Bt. Cotton	2	60	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Grain storage	• Incidence of stored grain pests in cereals and pulses	-	Scientific grain storage methodology	4	120	Mr. S.K.Mudlapur, SMS (Plant Protection)

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.6	Production of Inputs at Site	All crops	Less soil fertility due to non-use of organic manure	FLD on organic input preparation	Production and application of vermicompost, Jeevamrutha and Azolla for soil fertility management	2	40	Mr. S.K.Mudlapur, SMS (Plant Protection)
10.7	Soil Health and Fertility	All crops	Soil erosion, soil salinity etc.	-	Soil and water conservation	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
					Soil fertility management through soil test based nutrient application	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
10.8	PHT and value addition	Bengalgram	Less price due to sale of uncleaned and ungraded produce	FLD on ICM practices	Grading of Bengalgram for better market price	2	60	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mrs. Sudha S.R., SMS (Home Science)
		Onion + Chilli	Poor quality produce due to improper post harvest measures	FLD on ICM practices in Onion	PHT in Onion and Chilli	2	60	Mr. K.T.Patil, SMS (Horticulture)
10.9	Capacity Building Group Dynamics	Existing SHGs	Less knowledge about IGAs	**-**	Multiple income generation activities	4	120	Mrs. Sudha S.R., SMS (Home Science)
		CIG/FIG	Less knowledge about group management	Majority of OFTs & FLDs to be taken with CIG/FIG	Capacity building training for FIG/CIG & their management	4	120	Mr.S.H.Adapur, SMS (Ag. Extension)
10.10	Farm Mechanization							
10.11	Fisheries Production Technologies							

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture							
	Others, pl. specify	Ground water	Insufficient irrigation water due to decreasing water table	FLD on artificial recharge of groundwater through borewells	Training on artificial recharge of groundwater through bore wells & open wells	1	30	Mr. N.H.Bhandi, SMS (Soil Science)

11 Training for Rural Youths during 2014-15

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	IFS	• Lack of diversified crop enterprise leading to less income security	FLDs on IFS	Integrated Farming System for income security	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. K.T.Patil, SMS (Horticulture) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
10.2	Horticulture Production							
10.3	Livestock Production	Dairy enterprise	• Low productivity of milk	-	• Scientific dairy management	2	50	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
					• Scientific sheep & goat farming	1	15	

S.No.	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
10.4	Home Science	Health and hygiene to young girls	Lack of knowledge on health, nutrition and personal hygiene	-	Training on balanced diet and personal hygiene for young girls	6	300	Mrs. Sudha S.R., SMS (Home Science)
10.5	Plant Protection							
10.6	Production of Inputs at Site							
10.7	Soil Health and Fertility							
10.8	PHT and value addition							
10.9	Capacity Building Group Dynamics							
10.10	Farm Mechanization							
10.11	Fisheries Production Technologies							
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture							
	Others, pl. specify							

12 Training for Extension Personnel during 2014-15

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	Production technologies for Kharif crops	1	20	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
		Integrated crop management practices for Rabi crops	1	20	
12.2	Home Science				
12.3	Capacity Building and Group Dynamics	Capacity building training for FIG / CIG and their management	1	20	Mr.S.H.Adapur, SMS (Ag. Extension)
12.4	Horticulture				
12.5	Livestock Production & Management				
12.6	Plant Protection				
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site				
12.10	Sericulture				
12.11	Fisheries				

13 Vocational trainings during 2014-15

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production	Seed production in field crops	1 No. (3 days)	Youths	10	-	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
13.2	Home Science	Value addition of Millets	1 No.	SHGs & Youths	25	-	Mrs. Sudha S.R., SMS (Home Science)

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
		& Sorghum	(5 days)				
		Value addition of Amla & Karounda	1 No. (5 days)	SHGs & women	20	-	Mrs. Sudha S.R., SMS (Home Science)
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture	Vegetable seedling production under protected system	1	Youths	10	-	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
13.5	Livestock Production & Management						
13.6	Plant Protection						
13.7	Farm Mechanization						
13.8	PHT and value addition						
13.9	Production of Inputs at Site	Organic input preparation	1 No. (6 days)	Youths	10	-	Mr. S.K.Mudlapur, SMS (Plant Protection)
13.10	Sericulture						
13.11	Fisheries						

14 Sponsored trainings during 2014-15

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Participants (SHGs, NYKs, School students, Women, Youth etc.)	Expected number of participants	Sponsoring agency	Names of the team members involved
14.1	Crop Production	-	-	-	-	-	-
14.2	Home Science	-	-	-	-	-	-

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Participants (SHGs, NYKs, School students, Women, Youth etc.)	Expected number of participants	Sponsoring agency	Names of the team members involved
14.3	Capacity Building and Group Dynamics	-	-	-	-	-	-
14.4	Horticulture	-	-	-	-	-	-
14.5	Livestock Production & Management	-	-	-	-	-	-
14.6	Plant Protection	-	-	-	-	-	-
14.7	Farm Mechanization	-	-	-	-	-	-
14.8	PHT and value addition	-	-	-	-	-	-
14.9	Production of Inputs at Site	-	-	-	-	-	-
14.10	Sericulture	-	-	-	-	-	-
14.11	Fisheries	-	-	-	-	-	-

15. Extension programmes during 2014-15

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.1	Advisory Services			
	• Field crops	150	500	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Horticultural crops	100	300	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Soil test based nutrient application	50	300	Mr. N.H.Bhandi, SMS (Soil Science)
	• Contingent crop planning	30	500	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. K.T.Patil, SMS (Horticulture)
	• Alternate Land Use Systems	10	150	Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Livestock development	25	300	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Women health and nutrition	20	300	Mrs. Sudha S.R., SMS (Home Science)
	• Women drudgery reduction equipments	20	300	Mrs. Sudha S.R., SMS (Home Science)
	• Marketing information	15	300	Mr.S.H.Adapur, SMS (Ag. Extension)
	• Organic input preparation	15	150	Mr. S.K.Mudlapur, SMS (Plant Protection)
15.2	Diagnostic Visits	20	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
15.3	Field Days			
	• Maize	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Bt. Cotton	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Groundnut	1	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science) Mr. S.K.Mudlapur, SMS (Plant Protection) &

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
				Mr.S.H.Adapur, SMS (Ag. Extension)
	• Onion	1	100	Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. N.H.Bhandi, SMS (Soil Science) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Fodder production	1	60	Dr. B.M.Murgod Programme Assistant (Animal Husbandry) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Bengalgram	1	75	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Greengram	1	75	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Wheat	1	50	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Ground water recharge	1	60	Mr. N.H.Bhandi, SMS (Soil Science) & Mr.S.H.Adapur, SMS (Ag. Extension)
15.4	Group Discussions			
	• Kharif season crops	15	200	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
	• Rabi season crops	15	300	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
15.5	Kisan Gosthi			
	• Soil fertility management strategies & Ground water	1	150	Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Diversification of crop enterprise	1	150	Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Women health and nutrition •	1	200	Mrs. Sudha S.R., SMS (Home Science)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.6	Film Shows			
	• Soil and water conservation	5	150	Mr. N.H.Bhandi, SMS (Soil Science) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Crop diversification	5	150	Mr. K.T.Patil, SMS (Horticulture) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Soil test based nutrient application	5	150	Mr. N.H.Bhandi, SMS (Soil Science) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Soil fertility management	5	150	Mr. N.H.Bhandi, SMS (Soil Science), Mr. S.K.Mudlapur, SMS (Plant Protection)& Mr.S.H.Adapur, SMS (Ag. Extension)
	• Livestock health & nutrition	2	50	Dr. B.M.Murgod Programme Assistant (Animal Husbandry) & Mr.S.H.Adapur, SMS (Ag. Extension)
15.7	Self -Help Groups	10	150	Mrs. Sudha S.R., SMS (Home Science)& Mr.S.H.Adapur, SMS (Ag. Extension)
15.8	Kisan Mela	1	4000	All staff
15.9	Exhibition	5	15000	All staff
15.10	Scientists' Visit to Farmers Field	200	800	Concerned SMS
15.11	Plant/Soil Health/Animal Health Camps	10	500	Mr. N.H.Bhandi, SMS (Soil Science) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
15.12	Farm Science Club	3	60	Mr.S.H.Adapur, SMS (Ag. Extension)
15.13	Ex-Trainees Sammelan	2	60	Mr.S.H.Adapur, SMS (Ag. Extension)
15.14	Farmers' Seminar/Workshop			
	• Marketing of agriculture produce	1	100	Mr.S.H.Adapur, SMS (Ag. Extension)
	• Value addition in agriculture produce	1	100	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
15.15	Method Demonstrations			
	• Organic input production	5	150	Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Orchard layout	2	2	Mr. K.T.Patil, SMS (Horticulture)
	• Cycle weeder	10	300	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Chulhas	10	300	Mrs. Sudha S.R., SMS (Home Science)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
	• Spiral separator	2	100	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Hand gloves in Bengalgram	2	100	Mrs. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
15.16	Celebration of Important Days			
	• World food day	1	100	All staff
	• Women in agriculture day	1	150	Mrs. Sudha S.R., SMS (Home Science)& Mr.S.H.Adapur, SMS (Ag. Extension)
15.17	Special Day Celebration			
	• World environment day	1	150	All staff
15.18	Exposure Visits	10	300	Concerned staff
15.19	Technology Week,	1	4000	All staff
15.20	Farmers Field School (FFS on Maize crop)	1	20	Mr. V.D.Vaikunthe, SMS (Agronomy) Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
15.21	Farm Innovators Meet	1	50	Mr. V.D.Vaikunthe, SMS (Agronomy) Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. K.T.Patil, SMS (Horticulture) & Mr.S.H.Adapur, SMS (Ag. Extension)
15.22	Awareness Programs			
	• Soil & water conservation	5	150	Mr. N.H.Bhandi, SMS (Soil Science)
	• Soil test based nutrient application	3	120	Mr. N.H.Bhandi, SMS (Soil Science)
	• Contingent crop planning	7	300	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. K.T.Patil, SMS (Horticulture)
	• Alternate Land Use System	3	120	Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Livestock health & nutrition	11	350	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Women health & nutrition	11	350	Mrs. Sudha S.R., SMS (Home Science)
	• Drudgery reducing equipments	11	350	Mrs. Sudha S.R., SMS (Home Science)
	• IGAs to SHGs	5	300	Mrs. Sudha S.R., SMS (Home Science)
	• Organic input production	10	200	Mr. S.K.Mudlapur, SMS (Plant Protection)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
	Others, pl. specify			
	• Farmers / Commodity Interest Groups	3	60	Mr.S.H.Adapur, SMS (Ag. Extension)

16. Activities proposed as Knowledge and Resource Centre during 2014-15

16.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
16.1.1	Technology Park/ Crop cafeteria			
16.1.2	Demonstration Units	• Value addition in Amla, Cashew, Karounda & Tamarind	1000 farmers/farm women visit to the units	Mrs. Sudha S.R., SMS (Home Science)
16.1.3	Lab Analytical services	• Soil, water & plant testing	950 samples	Mr. N.H.Bhandi, SMS (Soil Science)
		• Identification of pest and disease	125 samples	Mr. S.K.Mudlapur, SMS (Plant Protection)
16.1.4	Technology Week	All technologies related to Gadag district	4000-6000 Nos.	All staff

16.2 Technological Products

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (q)/ Number planned to be produced during 2014-15	Names of the team members involved
16.2.1	Seeds		Onion seeds (Arka Kalyan)	2 Qtls	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
			Greengram (S-4)	10.00 Qtl	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.L.Halemani, Farm Manager
			Greengram (BGS-9)	10.00 Qtl	
			Bengalgram (JG-11)	10.00 Qtl	
			Bengalgram (Jackey-9218)	10.00 Qtl	

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (q)/ Number planned to be produced during 2014-15	Names of the team members involved
			Bengalgram (A-1)	05.00 Qtl	
			Rabi Sorghum (M 35-1)	10.00 Qtl	
			Rabi Sorghum (CSV-22)	10.00 Qtl	
16.2.2	Planting materials		Mango (Alphanso)	5000 Nos.	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
			Sapota	500 Nos.	
			Tamarind	500 Nos.	
			Amla	500 Nos.	
16.2.3	Bio-products	-	Vermicompost	20 tonn	Mr. S.K.Mudlapur, SMS (Plant Protection) Mr. S.L.Halemani, Farm Manager
			Vermi wash	1000 liter	
			Earthworms	200 Kgs	
16.2.4	Livestock strains		Azolla	200 Kgs	
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	• Role of macro & micro nutrients • In-situ soil & water conservation practices • Alternate land use system	Mr. N.H.Bhandi, SMS (Soil Science)
		• Pod borer identification and management in Greengram • Groundnut leaf minor and leaf spot : Early identification and management • Maize Turcicum leaf blight identification and management • Bt. Cotton leaf reddening management • Bt. Cotton sucking pest management • Bt. Cotton Blackarm and Alternania leaf spot disease identification and	Mr. S.K.Mudlapur, SMS (Plant Protection)

	Category	Technological capsules / Number	Names of the team members involved
		management • Onion thrips and purple blotch identification and management • Chilli murda complex identification and management • Bengalgram pod borer and wilt identification and management • Mango hopper and powdery mildew identification and management • Banana Sigatoka disease management • Tuberose bud borer identification and management • Organic input preparation technology	
		• Chemical weed management • Seed priming with $CaCl_2$ for Rabi Sorghum • Pair row method of sowing in Groundnut • Wider row method sowing in Sunflower • Pair row method of sowing in Rabi Sorghum • Opening of conservation furrow for moisture conservation • Compartment bunding for soil moisture conservation • Nipping in Bengalgram & its importance • Foliar spray of Boron for seed setting	Mr. V.D.Vaikunthe, SMS (Agronomy)
	Horticulture	• Weed management in onion • Nutrient management in Banana • Dry land horticulture technologies • Flower & vegetable maintenance in Green house • Different types of poly house • Nutrient management in chrysanthemum	Mr. K.T.Patil, SMS (Horticulture)
	Animal Husbandry	• Dairy Project Report	Dr. B.M. Murgod Programme Assistant (Animal Husbandry)
	Fisheries		
	Agricultural Engineering	• Laser guided land leveler	Mr. N.H.Bhandi, SMS (Soil Science)
	Sericulture	• Mulberry cultivation through organic farming technology	Mr. S.K.Mudlapur, SMS (Plant Protection)
	Others, pl. specify	• Artificial recharge of groundwater through bore wells and open wells	Mr. N.H.Bhandi, SMS (Soil Science)
		• Women & Child Welfare Department, Mahila Samukhya i) Drudgery reducing equipments in farm ii) Fuel saving devices	Mrs. Sudha S.R., SMS (Home Science)

	Category	Technological capsules / Number	Names of the team members involved
		iii) Millet processing iv) Nutrition & reproductive health • NGOs – CARE mother Nutrition and reproductive health	
16.3.2	Literature/publication	**Leaflets**	
		• Scientific dairy farming	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		• Success stories of progressive farmers and women entrepreneurs	Mrs. Sudha S.R., SMS (Home Science)
		• Importance of soil and water testing & methods of soil & water sample collection • Soil & water conservation measures for dry land agriculture	Mr. N.H.Bhandi, SMS (Soil Science) & V.D.Vaikunthe, SMS (Agronomy)
		• Mango pest and disease management • Grain storage	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Production technologies in Onion	Mr. K.T.Patil, SMS (Horticulture)
		• Production technology in Greengram • Integrated crop management in Maize • Integrated crop management in Bt. Cotton • Production technology in Groundnut • Production technology in Bengalgram	Mr.V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
		• Publication on Farmers Innovations	Mr.S.H.Adapur, SMS (Ag. Extension)
		• Publication on case study of Fodder Bank	Mr.S.H.Adapur, SMS (Ag. Extension) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Krishi Vigyan Patrike • Importance & methods of soil and water testing • Soil & water conservation measures • Alternate land use systems • Role of nutrients for higher production	Mr. N.H.Bhandi, SMS (Soil Science) & Mr. V.D.Vaikunthe, SMS (Agronomy)

	Category	Technological capsules / Number	Names of the team members involved
		• Tips on cultivation of onion & chilli • Weed management in onion • Nutrient management in Mango & Banana • Mango orchard management • Onion seed production technology	Mr. K.T.Patil, SMS (Horticulture)
		• Spiral separator • Cashew – A rich crop in drylands • Importance & value addition in millets • Karounda – A suitable dryland fruit crop	Mrs. Sudha S.R., SMS (Home Science)
		• Compartment bunding for moisture conservation • Production technology of Maize • Paired row method of sowing in Groundnut • Integrated nutrient management in Groundnut • Wider row method of sowing in Sunflower • Foliar spray of boron for seed setting in Sunflower • Detopping and its importance in Bengalgram • Paired row method of sowing in Rabi Sorghum • $CaCl_2$ seed priming & its importance in Rabi Sorghum	Mr. V.D.Vaikunthe, SMS (Agronomy)
		• Groundnut defoliator, leaf minor, collar rot and leaf spot management • Onion thrips and purple blotch management • Chilli murda complex management • Banana pest and disease management • Tuberose pest and disease management	Mr. S.K.Mudlapur, SMS (Plant Protection)
16.3.4	Electronic Media	**<u>TV Programmes:</u>** • Soil & water conservation measures • Alternate land use system for dry land agriculture • Recharging of ground water through bore well and open well	Mr. N.H.Bhandi, SMS (Soil Science)
		• Empowerment of women	Mrs. Sudha S.R., SMS (Home Science)
		• Demonstration on enrichment of dry fodder and Azolla cultivation	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)

	Category	Technological capsules / Number	Names of the team members involved
		• Banana Sigatoka disease management • Vermiwash preparation and usage	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Dry land horticulture technologies • Production technology in Banana	Mr. K.T.Patil, SMS (Horticulture)
		• Dryland agronomic practices for *in-situ* moisture conservation	Mr. V.D.Vaikunthe, SMS (Agronomy)
		Radio programmes: • Soil & water conservation measures • Soil fertility management practices • Management of nutrients for higher production	Mr. N.H.Bhandi, SMS (Soil Science)
		• Agro processing • Nutrition for teenagers	Mrs. Sudha S.R., SMS (Home Science)
		• Organic farming and its importance • Bio-pesticides preparation & its usage • Vermicompost technology • Organic inputs production and usage	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Production technologies in onion • Production technologies in commercial flowers	Mr. K.T.Patil, SMS (Horticulture)
		• Production technology of Groundnut • Production technology of Bengalgram	Mr. V.D.Vaikunthe, SMS (Agronomy)
16.3.5	Kisan Mobile Advisory Services	Soil Science aspects – 18 Nos.	Mr. N.H.Bhandi, SMS (Soil Science)
		Home Science aspects – 8 Nos.	Mrs. Sudha S.R., SMS (Home Science)
		Plant Protection aspects – 10 Nos.	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Horticulture aspects – 12 Nos.	Mr. K.T.Patil, SMS (Horticulture)
		Agronomic aspects – 21 Nos.	Mr.V.D.Vaikunthe, SMS (Agronomy)
16.3.6	Information on centre/state sector schemes and service providers in the district.	1	Mr.S.H.Adapur, SMS (Ag. Extension), Mr. K.T.Patil, SMS (Horticulture) & Mr. V.D.Vaikunthe, SMS (Agronomy)

17. Additional Activities Planned during 2014-15

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					

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2013 (Rs.in Lakh)	Expenditure incurred during 2013-14 (Rs.in Lakh)	Receipts during 2013-14 (Rs.in Lakh)	Closing balance as on 31.01.2014 (Rs.in Lakh)	Expected closing balance by 31.03.2014 (Including value of material in stock/ likely to be produced)
7.75	18.88	19.92	8.79	10.00

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	Amla products	2.0 Qtl	20000	Mrs. Sudha S.R., SMS (Home Science)
18.2.2	Karounda/Amla pickle	8.0 Qtl	32000	Mrs. Sudha S.R., SMS (Home Science)
18.2.3	Onion seed production	10.0 Qtl	50000	Mr. K.T.Patil, SMS (Horticulture)
18.2.4	Mango grafts	5000	25000	Mr. K.T.Patil, SMS (Horticulture)
18.2.5	Sapota grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture)
18.2.6	Tamarind grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture)
18.2.7	Amla grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture)
18.2.8	Seed production in Bengalgram	50 Qtl	50000	Mr. V.D.Vaikunthe, SMS (Agronomy)
18.2.9	Vermicompost production	20 ton	60000	Mr. S.K.Mudlapur, SMS (Plant Protection)
18.2.10	Vermi wash	1000 liters	40000	Mr. S.K.Mudlapur, SMS (Plant Protection)
18.2.11	Earth worms	2 Qtl	60000	Mr. S.K.Mudlapur, SMS (Plant Protection)

19. Activities of soil, water and plant testing laboratory during 2014-15

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	600	Mr. N.H.Bhandi, SMS (Soil Science)
19.2	Water	300	Mr. N.H.Bhandi, SMS (Soil Science)
19.3	Plant	50	Mr. N.H.Bhandi, SMS (Soil Science)
19.4	Others	-	-

20. E-linkage during 2014-15

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 - Bengalgram (Chickpea)	February, 2015	
20.2	Creation and maintenance of relevant database system for KVK		
	i) Bench mark data	30-09-2014	
	ii) OFT		Already maintained
	iii) FLD		Already maintained
	iv) Training database		Already maintained
	v) Seeds & planting material		Already maintained
	vi) All Extension activities		Already maintained
	vii) Farmers visiting to KVK		Already maintained
	viii) Field visits		Already maintained
	ix) District database		Already maintained
	x) Soil & water test details		Already maintained
	xi) Database on KVK (i.e regarding KVK details, host institute details, staff information, KVK land information, KVK infrastructure, demo units, vehicle, office, lab, farm equipment & library)		Already maintained
	xii) HRD of KVK staff (i.e training/seminar/workshop attended by KVK staff)		Already maintained
	xiii) Publications of KVK activities in news papers		Already maintained
	xiv) Villages covered by KVK since inception		Already maintained
	xv) Kisan mobile advisory services – Subscribers and messages sent		Already maintained
	xvi) Farm implements		Already maintained
	xvii) Citizen's Client Charter		Already maintained
20.3	Any other –		

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	Training on rainwater harvesting measures to farmers & farm women for 200 farmers	-
21.2	Training on rainwater harvesting measures for 50 extension functionaries	-
21.3	Exposure visit for rainwater harvesting structures for 1000 farmers/farmwomen	-

22. Innovator 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	January, 2015
22.3	Brief action plan in this regard	Applications from farmers involved in innovation development are invited through local news papers, Preliminary meetings of innovators will be held at KVK during November-December, 2014. The details of innovations will be documented and best innovation will be selected for publication based on the utility of the innovation. The selected Innovator will be felicitated during technology week celebration, 2015.

23. Farmers Field School (FFS) planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	Integrated crop management	Integrated crop management in maize crop	30000
23.2			

Activities to be carried out in the FFS Programme

Sl. No.	Activities	Stages
1	Awareness programme	Before sowing
2	Method demonstration on i) Nutrient application based on soil test report ii) Seed treatment iii) Chemical weed management	At the time of sowing
3	Identification and management of pests like stem borer and army worm	30 DAS
4	Top dressing of Urea	20, 35, 50 & 65 DAS
5	Identification and management of foliar disease like Turcicum leaf blight	60 DAS

Farmers Field School in Maize Crop at Kakkur Cluster in Mundaragi Block

Sl. No.	Particulars	Amount required (Rs.)
1	FFS Kits	3000
2	Stationary (Marker board, marker pen, drawing sheet etc)	2000
3	Bags and Caps	3000
4	Refreshment charges (6 sessions, @ Rs. 40/farmer, 30 farmers/session)	7200
5	Critical inputs	8600
6	Field day	1000
7	Publishing literatures and handouts	1200
8	Fuel / TA	3000
9	Miscellaneous charges	1000
	TOTAL	**30000**

24.Budget - Details of budget utilization (2013-14) upto 28 February 2014

(Rs.)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	110.000	99.532	101.068
24.1.2	**Traveling allowances**	1.700	1.700	1.411
24.1.3	**Contingencies**			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	2.500	2.500	2.448
B	POL, repair of vehicles, tractor and equipments	2.000	2.000	1.998
C	Meals/refreshment for trainees	0.800	0.800	0.798
D	Training material	0.750	0.500	0.674
E	Frontline demonstration except oilseeds and pulses	6.010	6.010	5.998
F	On farm testing	0.750	0.750	0.668
G	Training of extension functionaries	0.250	0.250	0.241
H	Maintenance of buildings	1.000	1.000	0.999
I	Library	0.050	0.050	0.005
J	Extension activities	0.490	0.490	0.489
K	Farmers' Field School	0.300	0.300	0.276
24.1	**Total Recurring**	**126.600**	**115.882**	**117.073**
24.2	**Non-Recurring Contingencies**			
24.2.1	**Works**	0.000	0.000	0.000
24.2.2	**Equipments including SWTL & Furniture**	0.000	0.000	0.000
24.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0.000	0.000	0.000
24.2	**Total Non Recurring**	**0.000**	**0.000**	**0.000**
24.3	**REVOLVING FUND**	0.000	0.000	0.000
24.4	**GRAND TOTAL (A+B+C)**	**126.600**	**115.882**	**117.073**

25.Details of Budget Estimate (2014-15) based on proposed action plan

Rs. In lakhs

S. No.	Particulars	BE 2014-15 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	132.648
25.1.2	**Traveling allowances**	2.000
25.1.3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	4.000
B	POL, repair of vehicles, tractor and equipments	4.000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1.500
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	6.179
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.308
G	Training of extension functionaries	0.250
H	Maintenance of buildings	1.000
I	Establishment of Soil, Plant & Water Testing Laboratory	0.500
J	Library	0.100
K	FFS	0.300
L	Extension Activities	1.000
25.1	**TOTAL Recurring Contingencies**	**155.785**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	**0.000**
25.2.2	**Equipments including SWTL & Furniture**	
25.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	**10.000**
25.2.4	**Library** (Purchase of assets like books & journals)	**0.000**
25.2	**TOTAL Non-Recurring Contingencies**	**10.000**
25.3	**REVOLVING FUND**	**0.000**
25.4	**GRAND TOTAL**	**165.785**

Proposal on Innovative Activity : Convergence of skill development efforts in farm sector

A growing economy like India requires a large and skilled workforce both in farm and non-farm sector. Skill shortage is evident in every sector of economy. In agriculture sector, skill development is gaining greater importance because of the rapid strides in technology, climate change and advances in food processing and value addition. Government of India has formulated skill development policy through setting up National Skill Development Corporation. The corporation has initiated various programmes for Skill Development in various sector including farm sector.

KVK is the major service provider in agricultural skills in the district. There are other training agencies in the district viz., Extension Education Unit, Self Employment Training Center, State Government Training Centers, Non Government Organisations & Private agencies run training centers. There is also Agriculture Technology Management Agency (ATMA) in the district which is expected to serve as a platform for convergence of different training service providers in agriculture sector. At present, there is no coordination among the various training agencies and there is no concerted efforts in the district to organise skill training on convergence mode.

With this background, KVK proposes a demonstrative model for convergence of skill development in the district with the following objectives

Objectives:

i) Map the existing skill trainings offered by different agencies and identify the deficiencies

ii) Conduct skill gap analysis in the farm sector involving all the stakeholders

iii) Bring all the actors and stakeholders related to skill development in the farm sector under a single platform for planning convergence of skill development efforts

iv) Develop a convergence district action plan for skill trainings in the farm sector

Activities proposed:

- Organisation of consultative workshop involving various stakeholders, viz., training service providers, extension personnel and progressive farmers

- Collection of information from training service providers with reference to different aspects of conducting skill training programmes and curriculam
- Documentation on the process and methodology of implementation of training programme
- Development of convergent district plan for skill training in farm sector

Documentation of study:

i) Studying of pattern of partnership by various training providers in the district

ii) Mapping of skill courses offered by different training agencies and their delivery mechanisms

iii) Studying of relevance of curriculum related to job requirement

iv) Formulation of convergence district action plan related to institutional convergence, technological convergence & resource convergence related to skill training

List of Training Service Providers (skill) in Gadag district

i) Gadag Institute for Training on Self Employment and Rural Development (GITSERD)

ii) Extension Education Unit, Gadag

iii) Horticulture Training Centre, Gadag

iv) BAIF Institute, Mundaragi

v) Shri Dharmasthal Rural Development Project (SKDRDP), Gadag

vi) Priyadarshini Grameena Abhivrudhi Samsthe, Ron

vii) Reliance Foundation, Gadag

viii) Horticultural Clinic, Gadag

Perceived outputs of convergence in Farm sector

- **Development of curriculum:** Identification of skill gaps in farm sector leads to development of need based and appropriate training curriculum in farm sector.
- **Efficient utilization of resources:** The resources involved in the organization of training programmes will be effectively used
- **Facilitate KVK ATMA linkage:** The convergence efforts facilitates and strengthen KVK-ATMA linkage through creation of platform at district level of skill convergence
- Enhance job opportunities in farm sector
- Productivity enhancement in farm sector
- Skill based technological change in farm sector

Budget requirement

Sl. No.	Particulars	Amount (Rs.)
1	Preliminary meetings with different stake holders	10000
2	Organisation of consultative workshop involving training institutions, extension personnel & farmers	10000
3	Organisation of 4 workshops for preparation of district convergence action plan	15000
4	Visit to training institute for data collection	5000
5	Other Recurring Contingencies (ORC)	10000

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