ACTION PLAN
OF
ICAR-KVK, GADAG

FOR THE YEAR 2017-18

Submitted to

DIRECTOR
ICAR - ATARI
BENGALURU - 560024

By

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ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE, ZONE VIII BENGALURU

PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2017-18

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	ICAR-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.net.in
1.3	Year of sanction	:	1985
1.4	Website address of KVK and date of last update		www.khpkvk.org, updated on 22-02-2017

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent		If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
			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	SMS	Mr. S.K.Mudlapur	Plant Protection	15600-39100	6600	22.07.1985	-
2.3	SMS	Mr. S.H.Adapur	Ag. Extension	15600-39100	6600	22.11.1990	-
2.4	SMS	Dr. S.S.Rayanagoudar	Home Science	15600-39100	6600	20.07.1993	-
2.5	SMS	Mr. V.D.Vaikunthe	Agronomy	15600-39100	6600	23.07.1985	-
2.6	SMS	Mr. K.T.Patil	Horticulture	15600-39100	6600	25.07.1985	-
2.7	SMS	Mr. N.H.Bhandi	Soil Science	15600-39100	6000	01.06.2005	-

Sl. No.	Sanctioned post	Name of the incumbent	If Permanent, Please indicate				If Temporary, pl. indicate the consolidated amount paid (Rs./month)
			Discipline	Current Pay Band	Current Grade Pay	Date of joining	
2.8	Programme Assistant	Dr. B.M.Murgod	Animal Husbandry	9300-34800	4200	25.06.2007	-
2.9	Computer Programmer	Smt. L.S.Asuti	-	9300-34800	4600	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	Mr. T.K. Sai Swaroop Rao	-	5200-20200	2400	15.12.2016	-
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 2016-17 :

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2017-18
3.1	**25-11-2016**	Take up Front Line Demonstrations in linseed and safflower crops in view of their importance in human diet.	FLDs on Linseed and Safflower are proposed during rabi season 2017-18	December, 2017
		Strengthen KVK Sales Unit further with Organic Products and SHG Products. The supervision of sales unit may be given to SHG members if they come forward. Brand and Logo may also be developed.	This will be taken up from April, 2017	
		Establish an Agri-clinic on the lines of KVK Mysore and make bio-agents, bio-fertilizers, bio-pesticides and other bio-inputs available to farmers in Agri-clinic store.	This will be taken up from April, 2017	

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2017-18
		Bring out a publication documenting all important works carried out by KVK and its impact by taking assistance from Experts in documentation.	This shall be documented during 2017-18	
		While conducting trainings, give small portion of time for theoretical issues and facilitate trainees' visit to progressive farmers' fields to observe and interact with them. This method gives more confidence to trainee-farmers and it shall be adopted by KVK to the maximum possible extent.	This suggestion is being implemented during March, 2017 in two trainings and based on feedback from trainee-farmers, it shall be extended to other trainings.	
		Prepare the list of young farmers and their details who are well convergent in English or Hindi. Such young farmers' services can be availed by any KVK / ICAR to motivate the youngsters to take up agriculture as a profession instead of staying away from this occupation.	This shall be prepared during 2017-18	
		Demonstrate drought tolerant crops keeping in view the water budgeting as Gadag district is facing frequent agricultural droughts.	FLDs on introduction of Foxtail millet and Little millet is proposed in all adopted villages during Kharif 2017-18	
		For organic farmers, arrange a training and exposure visit to Organic Farming Institute of UAS Dharwad and supply the booklet of organic farming practices to trainee-farmers published by UAS, Dharwad.	This shall be carried out during April-May, 2017	
		KVK can take up production of bio-agents such as trichoderma and other bio-agents by visiting UAS, Dharwad or KVK, Bagalkot or Pondicherry to study the production of various bio-inputs.	This shall be implemented during 2017-18	
		Take up Assessment of green chilli variety of GCS 94-68 under irrigated condition	OFT is proposed to be taken up during 2017-18	

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2017-18
		Demonstrate “Dundi” variety of Chrysanthemun in farmers’ field in comparison with Kurnool and Mattur varieties	FLD is proposed to be taken up during Kharif 2017-18	
		Assess garlic variety AS-2 in comparison with onion for higher profitability	This shall be taken up during the year 2017-18	
		Take interested farmers of Gadag district to Shri Dhareppa Kittur’s field in Bagalkot district for interaction and learning about profitable production of various crops under protected cultivation as he is getting Rs. 4 lakhs per gunta by growing tomatoes which yield 1 quintal per plant in its life span.	This shall be taken up during April-May, 2017	
		Make a campaign in any one of the village in the district about compartment bunding with method demonstration so as to enable all farmers of the village to do compartment bunding in their all fields. Through this, create mass awareness about in-situ moisture conservation.	This shall be carried out in one village during April, 2017	
		Plant Desmanthus which is not only good fodder for sheep and goat but also good Bund stabiliser on the bunds of Farm ponds which are dug in good numbers in Gadag district under Krishi Bhagya Yojane.	Desmanthus shall be planted on bunds of farm pond in KVK Farm during 2017-18	
		Develop an IFS model in a farmer’s field who has got Farm Pond dug at his field. Such model can help other farmers to emulate the technologies as about 5000 farm ponds have been dug under Kirhsi Bhagya Yojane in the district.	This will be taken up during 2017-18 under IFS programme of KVK	

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2017-18

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Supply and value chain management in agribusiness	NAARM, Hyderabad	To build the capacity of farmers of emerging FPOs in the district
4.1.2	Vegetable seed production technology	IIHR, Bangalore	Open pollinated varieties are required for vegetable production as it reduces the cost of cultivation
4.1.3	Cashew nut processing technology	NRC on Cashew, Puttur	To promote Cashew processing, as area under Cashew nut is increasing
4.1.4	Production technology in Sugarcane	Sugarcane Breeding Institute, Coimbatore	Sugarcane area in the district is increasing
4.1.5	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 2017-18

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within ring – ICAR KVK, Bagalkot, Karnataka	Production of Bio-agents
4.2.2	Within the zone – ICAR KVK, Erode, TamilNadu	Farmers Producers Organisations
4.2.3	Outside zone – ICAR KVK, Ahamadanagar, Maharastra	IT related interventions

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2017-18

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, Vijayapura	Expertise on FPOs	Dryland technologies & value addition in Sorghum
5.2	KVK, Haveri	Rain water harvesting technologies	Millet production technology
5.3	KVK, Dharwad	Value addition in agriculture produce	Greenhouse production technology

6. Operational areas details proposed during 2017-18

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	Decreased soil fertility due to less use / non-use of organic manures	1.10 lakh ha.	• Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk • Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk • Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti taluk	• FLD on enhancement of soil fertility through production & usage of organic inputs (Jeevamrutha & Ghana Jeevamrutha) • Trainings on organic input preparation & soil fertility management • Method demonstration on organic input preparation • Supply of literature on organic input preparation • Soil Testing in collaboration with Karnataka State Department of Agriculture • Making Soil Test Reports available to Farmers in all 14 villages with appropriate recommendations
6.2	Maize (Irrigated)	Low productivity due to less use of macro & non use of secondary and micro nutrients without soil test High incidence of stem borer High incidence of Turcicum leaf blight High incidence of weed	12000 ha.	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk	• FLD on ICM practices • Soil test based nutrient application • Trainings on ICM in maize and intercropping systems • Farm advisory services • Organization of field day

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.)*
		Non-profitability due to mono cropping Health problems during threshing & winnowing			• Supply of literature on ICM practices • Rendering Kisan Mobile Advisory Services to farmers • Demonstration of functional clothing kit during threshing of Miaze cobs and Winnowing
6.3	Rabi Sorghum	Low productivity of existing M 35-1 variety Moisture stress Lack of value addition	35000 ha	• Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk	• OFT: Assessment of SPV-2217, BJV-44 & CSV-29R varieties for higher productivity in sand mulched condition in Eklaspur cluster of villages
				• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk • Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti taluk	• Soil test based nutrient application • FLD on introduction of SPV-2217 & BJV-44 varieties in remaining 4 clusters • Demonstration of cycle weeder • Training programmes on ICM practices • Farm advisory services • Organisation of field day & exhibition of value added products of sorghum
6.4	Millets (Foxtail and little millet crops)	Moisture stress caused due to long dry spells reduces yield potential in majority of field crops. But millets can withstand the moisture stress	250 Ha	All Five clusters	• FLD on introduction of Foxtail millet (DHFt-109-3 variety) and Little millet (DHLM–36-3) • Trainings on ICM • Exhibition of value added products while conducting Millet Mela

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.)*
6.5	Wheat	Low productivity due to imbalanced nutrition in Malaprabha Command area and incidence of rust & stem borer	8000 ha	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk	• FLD on ICM practices • Training programmes on INM and management of stem borer & rust • Organisation of field day • Farm advisory services
6.6	Bt. Cotton	Low profitability due to monocropping High incidence of Jassids High incidence of Mealy bugs High incidence of Midge Incidence of leaf reddening Lack of knowledge on appropriate production technology	15000 ha.	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	• Assessment of Bt. Cotton + Greengram (1:2) intercropping system • Trainings on ICM practices • Supply of relevant literatures • Supply of yellow sticky traps on cost basis
6.7	Greengram	Moisture stress in critical stages High incidence of Pod fly and pod borer Incidence of powdery mildew in late sown situation Decreased productivity due to use of existing shining Moong variety	25000 ha.	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk • Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk • Yalavatti clustercomprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti taluk	• Cluster demonstrations on ICM in Greengram (DGGV-2 variety) • Training on ICM practices • Training & method demonstration on grading through spiral separator • Field day

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.)*
				• Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	
6.8	Bengalgram	Low productivity due to high Incidence of wilt in existing variety of A-1	35000 ha.	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk	• Assessment of GBM-2 variety for higher productivity & suitability for mechanical harvesting in Malaprabha command area
		High incidence of pod borer Lack of knowledge on appropriate production technology Drudgery in harvesting of Bengalgram Less market price due to uncleaned and ungraded produce		• Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk • Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk • Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	• Cluster demonstrations on ICM in Bengalgram (Variety : JAKI-9218) • Training on ICM practices • Supply of literature on ICM practices • Field days • FLD on introduction of JAKI-9218 variety under NFSM
6.9	Groundnut (Spreading) (Kharif season)	Low productivity due to mono cropping Low productivity due to imbalanced nutrition High incidence of Serpentine leaf minor High incidence of root grub High incidence of weeds	18000 ha.	• Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk	• Assessment of Redgram + Greengram / Blackgram based cropping system for higher profitability compared to spreading groundnut • FLD on ICM in spreading groundnut • Training on ICM practices • Farm advisory services • Rendering Kisan Mobile Advisory Services to farmers

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.)*
6.10	Groundnut (Rabi / Summer season)	Low productivity in existing TMV-2 variety Low productivity due to imbalanced nutrition High incidence of collar rot Imbalanced nutrition Incidence of leaf minor Incidence of weed	8000 ha	• Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk	• Training on ICM practices • Farm advisory services
6.11	Safflower	Farmers are abandoning safflower crop due to low productivity as farmers are using local varieties	1000 ha	• All five cluster villages	• FLD on ICM in Safflower + Linseed intercrop • Training on ICM practices • Farm advisory services
6.12	Linseed	Low productivity in local varieties of Linseed crop	500 ha as border crop	• All five cluster villages	• FLD on ICM in Safflower + Linseed intercrop • Training on ICM practices • Farm advisory services
6.13	Sunflower	• Imbalanced nutrition • High incidence of necrosis disease • Incidence of hairy caterpillar & heliothis	10000 ha	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk	• Trainings on ICM practices • Farm advisory services • Rendering Kisan Mobile Advisory Services to farmers
6.14	Onion	• Imbalanced nutrition without soil testing • High incidence of thrips and purple blotch disease • Incidence of bulb rot	8000 ha	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk • Kochalapur cluster comprising	• FLD on introduction of Arka Kalyan variety along with ICM practices • Trainings on ICM in onion crop • Seed production activities with identified seed farmers

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.)*
		• High incidence of weed • Non-availability of seeds of new variety		of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk • Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti taluk • Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	• Supply of quality seeds of Arka Kalyan variety • Supply of relevant literature • Field day • Specific advisories to farmers about application of nutrients based on soil test results
6.15	Chilli	• Low productivity due to non-practicing of ICM practices in Red chillies & green chillies as well as using old varieties / hybrids	6000 ha	• Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti block • Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	• Two OFTs on varietal and hybrid trails-one each in Red chillies and green chillies • FLD on ICM in Chilli crop • Training on ICM • Supply of relevant literature • Farm advisory services • Rendering Kisan Mobile Advisory Services to farmers
6.16	Existing Rainfed cropping system	• Non profitability in existing cropping pattern due to vagaries of Mansoon and lack of crop diversification in field crops resulting in income insecurity to the farmers	70% of farm families	• Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk	• FLD on Introduction of Ashwaganda for drought mitigation • Training on dryland tamarind • Supply of relevant literature • Supply of horticultural seedlings on cost basis

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.)*
		• Lack of knowledge on alternate cropping system and crop diversification to sustain vagaries of Mansoon.		• Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk	• Training on dryland mango • Supply of horticultural seedlings on cost basis • Supply of relevant literature
				• Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk	• FLD on introduction of Ashwagandha for drought mitigation • Training on dryland tamarind • Supply of relevant literature • Supply of horticultural seedlings on cost basis
				• Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk • Yalavatti cluster comprising of Yalavatti, Madolli & Yatnalli villages in Shirahatti block	• Training on dryland mango and tamarind cultivation for income security • Supply of relevant literature • Supply of seedlings of mango and tamarind on cost basis
6.17	CB Cows & Buffaloes	•Low productivity of milk due to non-availability of green fodder throughout the year. •High incidence of Ecto-Endo parasites in milking animals •Increase in inter-calving period •Mortality in new born calves	30000 Nos.	• Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk • Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk	• FLD on fodder and azolla production and silage making • FLD on Hydrphonic fodder production • Training on scientific management of dairy animals • Supply of literature on Fodder & Azolla production • Field day on fodder production • Animal health camp • Rendering Kisan Mobile Advisory Services to farmers

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.)*
		•Incidence of mastitis		• Other 3 clusters	• Training on Scientific Management of dairy animals to youths & women • Extension services • FLD on silage making
6.18	Goats	•Low body weight gain due to mineral deficiency and worm in goat kids	4000 Nos	All cluster villages	• FLD on management of mineral deficiency and ecto-endo parasites in goat kids • Trainings on scientific management of goats
6.19	Poultry birds	•Low egg production in local breeds	34400 Nos.	• Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	• FLD on rearing of Swarnadhara poultry birds • Training & extension services
6.20	• Nutrition and reproductive health education for school children and young girls	• Lack of knowledge on personal hygiene and reproductive health	Majority of school children & young girls are facing problems in these areas	•All clusters	• Trainings on balanced diet and nutrition • Trainings on reproductive health and personal hygiene to young girls • Providing relevant literature
6.21	• Nutrition and health	• Less consumption of fruits and vegetables • Non-consumption of millets by majority of the families	>80% farm families consume less fruits and vegetables and do not consume millets	•Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk •Eklaspur cluster comprising of Eklaspur, Haithapur & Venkatapur villages in Mundaragi taluk •Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk	• FLD on nutrition garden at schools • Trainings on balanced diet and nutrition • Training on Importance of millets in diet • Training on Value addition in millets • Providing relevant 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.)*
6.22	FIG/CIG	• Lack of knowledge on management of farmers groups/FIGs	All villages	• All clusters	• Capacity building of FIG/CIG • Preparing FIG/CIG as forum for transfer of technologies
6.23	Enterprise	• Increase in health problems due to excess smoke in kitchen	All villages	• All clusters	• Demonstration of Envirofit chulha
6.24	Popularization and value addition in millets	• Lack of awareness on importance of millets in daily diet • Lack of value addition	Majority of the villages in the district	• All clusters	• EDP on primary processing and value addition in millets • Popularization of millet products • Awareness programmes, trainings, exhibition of value added products during Millet Mela
6.25	• Value addition in Tamarind	• Lack of value addition • Less price for the unprocessed Tamarind • Lack of knowledge on packing and marketing of produce	10-15 villages where Tamarind is grown	• Binkadakatti cluster comprising of Binkadakatti and Hirehandigol villages in Gadag taluk	• FLD on value addition and marketing of Tamarind products
6.26	Spiral Separator	• Lack of awareness on cleaning and grading of grains which fetches low price for the produce	>90% of the families sell their produce without grading	• All clusters	• FLD on Spiral Separator
6.27	Functional Clothing	• Health Problems due to inhalation of dust particles	>25% of the families affected	•Khanapur cluster comprising of Khanapur, Gangapur & Naganur villages in Naragund taluk •Kochalapur cluster comprising of Kochalapur, Totaganti & Kodikoppa villages in Ron taluk	• FLD on Functional Clothing for threshing and winnowing of Maize & Rabi Sorghum
6.28	Value addition	• Lack of awareness on value added products of Linseed	>80% of the families	• All clusters	• Training on preparation of value added products of Linseed for consumer acceptability

7. Technology Assessment during 2017-18

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
7.1	Redgram	• Low productivity in spreading groundnut due to monocropping	Assessment of different alternative Redgram based inter cropping systems i.e i) Redgram + Greengram (1:2) ii) Redgram + Blackgram (1:2)	*1) <u>Farmers' Practice</u>* Cultivation of spreading groundnut	-	-	-	-	5		•Grain yield •Duration of the crop •Net profit	Mr. V.D.Vaikunthe, SMS (Agronomy) & S.K. Mudlapur, SMS (Plant Protection)
				2) <u>Technology Option-1</u> Cultivation of Redgram TS-3R variety	UAS, Dharwad	Seeds (TS-3R)	5 Kg	625				
						$CaCl_2$	100 gm	15				
						Rhizobium	200 gm	12				
						PSB	200 gm	12				
						Trichoderma	50 gm	5				
						13-0-45	1 Kg	130				
						Pulse magic	2 Kg	550				
						Total		**1349**		**6745**		
				3) <u>Technology Option-2</u> Assessment of Redgram + Greengram (1:2) intercropping system	UAS, Dharwad	Seeds of Redgram (TS-3R)	3 Kg	375				
						Seeds of Greengram(DGGV-2'	3 Kg	300				
						$CaCl_2$	100 gm	15				
						Rhizobium	250 gm	15				
						PSB	250 gm	15				
						Trichoderma	50 gm	5				
						13-0-45	2 Kg	260				
						Pulse magic	3 Kg	825				
						Total		**1810**		**9050**		
				4) <u>Technology Option-3</u> Assessment of Redgram + Blackgram (1:2) intercropping system		Seeds of Redgram (TS-3R)	3 Kg	375				
						Seeds of Blackgram (DU-1)	4 Kg	400				
						Rhizobium	250 gm	15				
						PSB	250 gm	15				
						Trichoderma	50 gm	5				
						13-0-45	2 Kg	260				
						Pulse magic	3 Kg	825				
							Total	**1895**		**9475**		
						Total cost/trial		**5054**		**25270**		

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
7.2	Bt. Cotton	• No income due to monocropping	Assessment of Bt. Cotton + Greengram (1:2) intercropping system	*Farmers Practice* Cultivation of Bt. Cotton as a sole crop	-	-	-	-	5	**11625**	• Yield (main crop & intercrop) • Net return BCR	S.K. Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science)
				Technology Option 1 Bt. Cotton (74X60 cm) + Greengram (1:1) intercropping system	UAS, Dharwad	Greengram Seeds	2.5 kg	375				
				Technology option 2 Assessment of Bt. Cotton (112X60 cm) + Greengram (1:2) intercropping system	-	Greengram Seeds	5 kg	750				
						PSB + Rhizobium +Trichoderma	500 gm each	200				
						Soil Analysis before and after harvest		1000				
							Total	**2325**				
7.3	Chilli (Green)	• Low productivity in locally used varieties	Assessment of Chilli variety GCS 94-68 for higher productivity	*1)Farmers practice* Cultivation of Guntur type hybrids available in market	-				3	**4500**	• Yield • Quality parameters • Market rate	Mr. K.T.Patil, SMS (Horticulture) & S.K. Mudlapur, SMS (Plant Protection)
				2) Technology Option-1 Cultivation of Kadrolli variety	UHS, Bagalkot	Seedlings (Kadrolli)	1000	500				
				3)Technology Option-2 Cultivation of GCS 94-68 variety	UHS, Bagalkot	Seedlings (GCS 94-68)	1000	1000				
						Total		**1500**				
7.4	Garlic (AS-2)	• Less profitability in Onion crop	Assessment of Garlic (AS-2) in comparison with Onion crop (Variety: Arka kalian) for higher profitability	*1)Farmers practice* Cultivation of onion crop (Variety: Arka Kalyan)					3	**12000**	• Yield • Market rate	Mr. K.T.Patil, SMS (Horticulture) & S.K. Mudlapur, SMS (Plant Protection)
				2) Technology Option-1 Cultivation of Garlic (Variety: AS-2)	UHS, Bagalkot	Seeds (AS-2)	15 Kg	4000				

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
7.5	Bengalgram	• Productivity of A-1 is stagnant even under irrigated condition	Assessment of potential productivity of GBM-2, JAKI-9218 & NBEG-3 varieties under irrigated condition	1) *Farmers' Practice* Cultivation of Annigeri-1 variety	-	-	-	-	5	**30000**	• Height of the plant • Duration of the crop • No. of pods/plant • Seed weight (100 No) • Incidence of wilt • Grain yield	Mr. V.D.Vaikunthe, SMS (Agronomy) & S.K. Mudlapur, SMS (Plant Protection)
				2) *Technology Option-1* Cultivation of JAKI-9218 variety	UAS, Dharwad	Seeds (JAKI-9218)	20 Kg	2000				
				3) *Technology Option-2* Assessment of GBM-2 variety	UAS, Raichur	Seeds (GBM-2)	20 Kg	2000				
				4) *Technology Option-3* Assessment of NBEG-3 variety	RRS, Nandyal	Seeds (NBEG-3)	20 Kg	2000				
						Total		**6000**				
7.6	Rabi Sorghum	Low productivity of M 35-1 variety in sand mulched areas	Assessment of BJV-44, SPV-2217 & CSV-29R varieties for higher productivity under sand mulched condition	1) *Farmers' Practice* Cultivation of M 35-1 variety	-	-	-	-	6		• Height of the plant • Duration of the crop • Grain yield • Fodder yield • Lodging problem • Organoleptic characters of the Rotis • Fodder quality	Mr. V.D.Vaikunthe, SMS (Agronomy), S.K. Mudlapur, SMS (Plant Protection) & Dr. Sudha S.R., SMS (Home Science)
				2) *Technology Option-1* Cultivation of M 35-1 variety	UAS, Dharwad	-	-	-		-		
				3) *Technology Option-2* Assessment of BJV-44 variety	UAS, Dharwad	Seeds (BJV-44)	1.5 Kg	68				
				4) *Technology Option-3* Assessment of SPV-2217 variety	UAS, Dharwad	Seeds (SPV-2217)	1.5 Kg	68				
				5) *Technology Option-4* Assessment of CSV-29R variety	UAS, Dharwad	Seeds (CSV-29R)	1.5 Kg	68				
							Total	**204**		**1224**		
				For all T.Os		$CaCl_2$	1 Kg			120		
						Azospirillum	2 Kg			120		
						Sulphur	200 gm			60		
							Total			**1524**		
						Grand Total of OFTs			**27**	**84919**		

8. Technology Refinement during 2017-18: NIL

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
8.1				1								
				2								
				3								
				4								
8.2				1								
				2								
				3								
8.3				1								
				2								
				3								

9. Frontline Demonstrations during 2017-18

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 less use of macro & non use of secondary and micro nutrients • High incidence of stem borer • High incidence of Turcicum leaf blight • High incidence of weed	• FLD on Integrated Crop Management • Soil test based nutrient application	Hybrid	CP-818 and Super 900-M Gold	UAS, Dharwad	**Farmers' Contribution**			20 (8 ha)		• Weed intensity/Sq. mtr • % of incidence of TLB • No. of stem borers/ Sq. mtr. • Cob length • No of grains/cob • Seed weight (100 nos) • Yield (Qtl/ha)	Mr. N.H.Bhandi, SMS (Soil Science), Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy),
								• Seeds	5 Kg	650		13000		
								• Urea	125 Kg	875		17500		
								• DAP	67 Kg	1809		36180		
								• MOP	46 Kg	731		14620		
								FC Total		**4065**		**81300**		
								KVK contribution						
								• $ZnSO_4$	10 Kg	450				
								• $FeSO_4$	10 kg	450				
								• Attrazine	500 gm	160				
								• Alachlor	1 ltr	460				
									Total	1520				
								KVK's Contribn. Total		**2150**		**30400**		
								Grand Total (FC + KVK-C)		**5585**		**111700**		
		Wheat	• Low productivity due to usage of local variety • Imbalanced nutrition in Malaprabha	Integrated Crop Management	Variety	UAS-334	UAS, Dharwad	**Farmers' Contribution**			10 (4 ha)		• % incidence of wilt Height of the plant • Number of earheads/plant • Length of the earhead • Grain yield (Qtl/ha)	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. N.H.Bhandi, SMS (Soil Science), Mr. V.D.Vaikunthe, SMS (Agronomy)
								DAP	76 Kg	1292				
								Urea	68 Kg	476				
								MOP	33 Kg	561				
								2, 4-D (80%)	1 Kg	300				
								FC Total		**2629**		**13145**		

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
			Command area and incidence of rust & stem borer					**KVK Contribution**						
								Seeds (UAS-334)	60 Kg	3000				
								Trichoderma	500 gm	75				
								Azospirillum	1 Kg	60				
								19-19-19 WS	1 Kg	100				
								KVK's Contribn. Total		**3235**		**32350**		
								Grand Total (FC + KVK-C)				**29320**		
		Rabi sorghum	• Low productivity of existing M 35-1 variety • Moisture stress • Deficiency of micro nutrients	Demonstration of SPV-2217 & BJV-44 varieties	Variety	SPV-2217 & BJV-44	UAS, Dharwad	**Farmers' Contribution**			20 (8 ha)		• Grain yield (Qtl/ha) • Fodder yield (Ton/ha) • Organoleptic evaluation of rotis • Pest & disease incidence	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection), & Dr. Sudha S.R., SMS (Home Science)
								DAP	25 Kg	675				
								Urea	25 Kg	175				
										850		**17000**		
								KVK Contribution						
								Seeds (SPV-2217 & BJV-44)	3 Kg	135				
								$CaCl_2$	100 gm	12				
								Azospirillum	200 gm	15				
								Sulphur	15 gm	5				
								Zinc Sulphate	5 Kg	225				
								KVK's Contribn. Total		**392**		**7840**		
								Grand Total (FC + KVK-C)		**1242**		**24840**		
9.2	Millets	Promotion of millets 1) Foxtail millet	• Low productivity due to cultivation of local variety	Demonstration of DHFt-109-3 variety of foxtail millet and DHLM-36-3 variety of	Variety	1) DHFt-109-3 2) DHLM-36-3	UAS, Dharwad	**Farmers' Contribution**			10 (4 ha)		• Height of the plant • Duration • Grain yield (Qtl/ha)	Mr. V.D.Vaikunthe, SMS (Agronomy), & Dr. Sudha S.R., SMS (Home Science)
								DAP	13 Kg	351				
								Urea	22 Kg	154				

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
		2) Little millet		Little Millet				MOP	25 Kg	425				
								FC Total		**930**		**9300**		
								KVK Contribution						
								Seeds (DHFt-109-3 & DHLM-36-3)	3 Kg	150		**1500**		
								Grand Total (FC + KVK-C)				**10800**		
9.3	Oilseeds													
		Spreading Groundnut	• Low productivity in local variety • High incidence of weeds • High incidence of pest & disease	FLD on ICM in Spreading Groundnut	Variety	KDG - 123	UAS, Dharwad	Pods (KDG – 123)	60 kg	4200	3	**20907**	• Pod & busa yield (Qtl/ha) • Incidence of collar rot • Intensity of weed • No. of pods/plant • Duration of the crop	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi (Soil Science)
								Trichoderma	500 gm	75				
								Pendimethalin-30 EC	1.3 lit	624				
								Quizolafap ethyl-5 EC	400 ml	600				
								Rhizobium	1 Kg	60				
								PSB	1 Kg	60				
								$ZnSO_4$	10 Kg	450				
								Gypsum	2 Qtl	900				
								Total		**6969**				
		Safflower + Linseed	• Low productivity in local varieties • High incidence of pest and diseases	FLD on ICM in PBNS-12 + NL – 115 variety	Variety	PBNS-12 And NL - 115	IIOR, Hyderabad and UAS, Raichur	Seeds (PBNS-12)	2 Kg	120	5 (2 Ha)	**15900**	• Yield (Qtl/ha) • Incidence of bud fly and sucking pest and capsule borer • Percentage of powdery mildew / Leaf spot	Mr. S.K.Mudlapur, SMS (Plant Protection), Mr. V.D.Vaikunthe, SMS (Agronomy) & Dr. Sudha S.R., SMS (Home Science)
								Linseed (NL – 115)	7 Kg	1050				
								Sulphur	12 Kg	960				
								$ZnSO_4$	6 Kg	270				
								Yellow sticky traps	3 No	180				
								Total		**2580**				
								Cycle weeder	2	3000				

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													
9.6	Horticultural crops	Onion	• Imbalanced nutrition without soil testing • Low productivity in existing variety • Low keeping quality bulbs in existing variety • High incidence of thrips & purple blotch • High incidence of weeds • Lack of knowledge on seed production technology	ICM in Arka Kalyan variety	Variety	Arka Kalyan	IIHR, Bangalore	**Farmers' Contribution**					• % of disease index • Yield (Qtl/ha)	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection) and Mr. N.H.Bhandi, SMS (Soil Science)
								Urea	70	490	25 (10 ha)			
								DAP	75	2025				
								MOP	84	1411				
								13:00:45	0.8	100				
								Quizalofop ethyl	450 ml	820				
								Lambda Cylahothrin	250 ml	175				
								Propiconazole	250 ml	340				
								FC Total		**5361**		**134025**		
								KVK Contribution						
								Seeds (Arka Kalyan)	1 Kg	1500				
								Gypsum	200 kgs	700				
								KVK's Contribn. Total		**2200**		**55000**		
								Grand Total (FC + KVK)		**7046**		**189025**		
		Chilli	• Low productivity due to non-practice of ICM technologies	ICM technology	Variety	Byadagi Dabbi	UHS, Bagalkot	**Farmers' Contribution**					• Yield (Qtl/ha) • % of leaf spot & powdery mildew • No. of thrips & mites/leaf • No. of pod borers / plant	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
								Urea	76 Kg	532	20 (8 Ha)			
								DAP	54 Kg	1450				
								MOP	33 Kg	561				
								Difenthuriam	250 ml	950				
								Difenconazole	200	880				

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
									ml					
								FC Total		**4373**		**87460**		
								KVK Contribution						
								Vegetable special (micronutrient mixture)	2 Kg	**600**				
								Purified seeds of Byadagi Dabbi varieties	1 Kg	**600**				
								13-00-45 WSF	2 Kg	**300**				
									Total	**1500**		**30000**		
								Grand Total (FC + KVK-C)		**5873**		**117460**		
		Flower	Low productivity in local varieties such as Kurnool & Mattur in Chrysanthemum crop	Demonstration of high yielding Dundi & Malaysian Chrysanthemum varieties	Variety	Dundi & Malaysian	UHS, Bagalkot	Urea	10 kg	60	4		• Yield • Quality parameters • Market rate	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
								DAP	20kg	240				
								MOP	10 kg	80				
								Total		**380**		**1520**		
								KVK contribution						
								Dundi	3300 (Suckers)	3330				
								Malaysian	3300 (Suckers)	3330		**13320**		
								Grand Total (FC+KVK)		**3710**		**14840**		

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
		Ashwagandha	Unsustainable income from existing rabi crops	FLD on Ashwagandha	Variety	Jawahar	UHS, Bagalkot	**Farmers' Contribution**					• Yield (Qtl/ha) • Comparative cost & benefit analysis with other rabi crops in rainfed condition	Mr. K.T.Patil SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
								• DAP	14 Kg	250	10 (4 ha)			
								• MOP	40 Kg	672				
								• Vermicompost	2 Qtl	1000				
								FC Total		**1922**		**19220**		
								KVK Contribution						
								• Seeds (Jawahar)	4 Kg	800		**8000**		
								Grand Total (FC + KVK-C)		**2722**		**27220**		
9.7	Livestock													
	Cattle	Cows/ Buffaloes	• Low productivity of milk	**Fodder & Azolla Production Units :** Cultivation & feeding of perennial grasses and other forage crops and Azolla as a feed supplement to milching animals				**Farmers' Contribution for fodder & Azolla production**					• Growth & yield parameters of all fodders • Milk yield (per lactation) • Fat percentage & SNF content	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
								Urea	25 Kg	225	10 Nos.			
								DAP	15 Kg	375				
								MOP	10 Kg	170				
								Excavation of pit (12x4x1)		250				
								Micronutrient mixture	1 Kg	200				
								FC Total		**1220**		**12200**		
								KVK Contribution						
					Grass	Hybrid Napier – DHN-6	Indian Grassland and Fodder Research Institute,	Slips	436 Nos.	436				
					Grass	Multicut Jowar – COFS-29		Seeds	200 gm	80				

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
					Grass	Grazing guinea grass	RRS, Dharwad	Slips	872 Nos.	436				
					Grass	Rhodes Grass		Slips	1452 Nos.	726				
					Grass	Signal Grass		Slips	1452 Nos.	726				
					Dicot forage crop	Lucerne		Seeds	100 Gm	80				
								Cactus plant	1 kg	1000				
						Stylo-santhes haemata		Seeds	60 gm	18				
								Azolla culture	1 Kg	100				
								Poly Tarpaulin (HDPE 200 GSM) sheets (12' x 9')	1	1100				
								KVK's Contribn. Total		**5002**		**50020**		
								Grand Total (FC + KVK-C)		**6222**		**62220**		
	Small ruminants	Goat kids	• Low body weight gain in goat kids due to mineral deficiency & worm infestation	• Providing mineral lick block • Oral drench of Ivermectin liquid	-	-	Taminlnadu Veterinary & Animal Science University, Chennai and KVK, Namakkal, Tamilnadu state and KVAFSU, Bidar	Dicalcium Phosphate	676 gm	120	40 Nos.	**12640**	• Body weight gain	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
								Sodium Phosphate	169 gm	36				
								Calcium carbonate	74 gm	24				
								Manganese sulphate	20 ml	6				
								Ferrous sulphate	33 mg	12				
								Zinc oxide	16 mg	12				
								Copper sulphate	5 mg	12				
								Cobalt chloride	4 mg	12				

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
								Potassium Iodide	3 mg	9				
								Ivermectin Liquid and Triclabendazole	100 ml	73				
								Total		**316**		**12640**		
		CB Cows/ Buffaloes	• Low productivity of milk due to non feeding of green fodder through out the year • No irrigation facility for growing green fodder	• Cultivation of nutritious Green Fodder in trays • Use of Maize seeds with minimum quantity of water and in less space • More Fodder per unit area • Feeding to milking dairy animals	Grass	-	NIANP, Bengaluru	Plastic trays	8 Nos (3'X2' Size)	4000	5	**20000**	• Milk yield / cow /Lactation • Cost of Fodder Production • Milk Quality	Dr. B.M.Murgod, Programme Assistant (Animal Husbandry)
								Total		**4000**				
		CB Cows / Buffaloes	• Low productivity of milk due to non feeding of green fodder through out the year • No method is	• Silage production for feeding to milking dairy animals	-	-	UAS,. Bengaluru	Silage Bags	4 (250 kg capacity)	1800	10	**20700**		Dr. B.M.Murgod, Programme Assistant (Animal Husbandry)
								Silage culture	200 gm	270				
								Total		**2070**				

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
			followed by farmer to store green fodder											
		Swarnadhara Poultry Breed	• Local poultry birds, produce less eggs and low growth of body weight	• Introduction of high egg yielding Swarnadhara breed of poultry bird	-	-	KVAFSU, Hebbal, Bengaluru	Poultry rearing cage system	01	10000	4	**45040**	• Egg Production / bird / year • Percentage mortality in chicks	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
								Swarnadhara Chicks	12	1260				
								Total		**11260**				
9.8	Fisheries													
9.9	Others	Field crops (Rabi Sorghum)	Less soil fertility due to non-addition of organic manures	**Soil fertility enhancement through** Demonstration of Jeevamrutha & GhanaJeevamrutha preparation and usage to Sorghum crop	Variety	SPV-2217	UAS, Dharwad	Cement Tank (4 ft height x 3 ft diameter)	1 No.	1200	20		• Jeevamrutha and Ghana Jevamrutha produced • Soil fertility status before and after use of organic • Effect on moisture holding capacity • Growth and yield parameters of Rabi Sorghum grown using organic inputs during rabi season of 2016-17	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
								Sorghum SPV-2217	3 kg	150				
								Pulse Atta	2 kg	120				
								Jaggery	2 kg	90				
								KVK's Contribn. Total		**1560**		**31200**		

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
		Envirofit chulha	Excess smoke in kitchen	Demonstration of Envirofit chulha	-	-	Colarado University Engines & Energy conversion laboratory	Envirofit chulha					• Time required for cooking • Quantity of fuel required for cooking • Smoke in kitchen as felt by farm women	Dr. Sudha S.R., SMS (Home Science)
		Drudgery in threshing and winnowing of maize & sorghum	• Health problems during threshing & winnowing	Demonstration of value Functional Clothing kit for threshing and winnowing of maize & sorghum	-	-	-	Functional Clothing	1	300	20	**6000**	Comfortability and suitability of functional clothing for threshing and winnowing of maize & sorghum	Dr. Sudha S.R., SMS (Home Science), Mr. V.D.Vaikunthe, SMS (Agronomy)
		Value addition & marketing of Tamarind product	• Lack of value addition • Lack of knowledge on packing and marketing • Less price for the unprocessed produce	Preparation and packing of Toffee and lollypop	-	-	MGIRI, Wardha, Maharastra state	FSSAI license	1	1000	1	**11000**	Economics of selling raw Tamarind and value added Tamarind products	Dr. Sudha S.R., SMS (Home Science)
								Packing materials		4000				
								Labels & printing charges		6000				
								Total		11000				

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
		Nutrition Garden	Lack of awareness on nutrition and nutrition garden	Nutrition garden at schools	-	-	UAS, Bangalore & UHS, Bagalkot	Seeds and Seedlings (Lime, Pappaya, Curry leaf, drums stick and leafy vegetables	1 and 50 gms each	1500	3	**8550**	• Quantity of vegetables produced (kgs) • Economics • Nutrition knowledge	Dr. Sudha S.R., SMS (Home Science) & Mr. K.T.Patil SMS (Horticulture
								Vermicompost	50 Kg	250				
								Neem based pesticide	1 lit	500				
								Pro trays	4	100				
								Water can	1	500				
								Total		**2850**				
		Spiral Separator	Lack of awareness on cleaning and grading of grains which fetches low price for the produce	Demonstraion of spiral separator	**-**	**-**	Padsons industries, Akola, Maharastra / Krishi Darpan. Indore, M.P.	Spiral Seperator	**1**	**7000**	5	**35000**	• Time, cost incurred & mandays required for cleaning & grading of grains • Market p rice for cleaned graded for grains	Dr. Sudha S.R., SMS (Home Science)
Grand Total of FLDs											**244**	**470367**		

10 Training for Farmers/ Farm Women during 2017-18

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 yield due to imbalanced nutrition • Incidence of stem borer • High incidence of weed	FLD on Maize crop	ICM in Maize & inter-cropping systems	2	40	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur SMS (Plant Protection), & Mr. N.H.Bhandi, SMS (Soil Science)
		Spreading Groundnut	• Low productivity due to imbalanced nutrition & pest incidence • High incidence of weed	FLD on ICM in spreading groundnut	ICM in Spreading Groundnut	1	30	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science)
		Redgram	Introduction of Redgram based intercropping systems to enhance the profitability in comparison with mono cropping of spreading groundnut	OFT on intercropping systems of Redgram with other pulses	Training on Redgram based inter cropping systems	1	15	Mr. V.D.Vaikunthe, SMS (Agronomy)
		Sunflower	Low productivity due to imbalanced nutrition and high incidence of pest and disease	-	ICM practices	1	25	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Rabi Sorghum	Low productivity of existing M 35-1 variety with moisture stress problem	FLD on ICM in Rabi Sorghum	ICM practices	2	50	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Rabi Sorghum	Low productivity of existing M 35-1 variety under sand mulched condition	OFT on varietal assessment of Rabi Sorghum varieties under sand mulched condition	ICM practices in sand mulched area	1	25	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science)

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
		Safflower + Linseed	Low productivity of existing A-1 variety	FLD on Safflower + Linseed intercropping	ICM practices in Safflower + Linseed	1	25	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bengalgram	Low productivity due to high incidence of pest and disease	OFT on varietal assessment of Bengalgram varieties for higher productivity	ICM practices	2	50	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
		Groundnut (Summer)	Low productivity in existing TMV-2 variety and incidence of leaf minor, collar rot and leaf spot disease	FLD on ICM in Summer Groundnut	ICM practices	1	25	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
10.2	Horticulture Production	Onion	• High incidence of weed • High incidence of purple blotch • Imbalanced nutrition	FLD on ICM in Onion	• ICM practices in onion • Seed production technologies	1	25	Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
		Red Chilli	• Low yield in Byadagi Dabbi variety • High incidence of Murda disease • High incidence of powdery mildew • Low quality fruits	OFT and FLD on ICM in Chilli	ICM practices in Red Chilli	1	30	Mr. K.T.Patil, SMS (Horticulture), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
		Green Chilli	• Low productivity in locally grown Guntur type Hybrids	OFT in Green Chillies	ICM practices in Green Chillies variety GCS-94-68	1	10	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
		Ashwagandha	Unsustainable income from existing rabi crops	FLD on introduction of Jawahar variety of Ashwagandha	ICM practices in Ashwagandha	1	30	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Garlic	Less profitability in onion crop	OFT	ICM in Garlic	1	10	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
		Chrysanthemum	Low productivity in locally grown varieties	FLD	ICM in Dundi variety	1	10	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
10.3	Livestock Production	Dairy animals	Low productivity of milk due to • Non cultivation of fodder crops • Incidence of ecto-endo parasites • Imbalanced nutrition • Incidence of mastitis	FLD on fodder and Azolla production	• Promotion of fodder production technologies for getting higher milk productivity in dairy animals • Management of ecto endo parasites & mastitis in CB Cows • Cultivation and feeding of Azolla for balanced nutrition	2	30	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Dairy Animals	• Low productivity of milk due to non feeding of green fodder throughout the year • No irrigation facility for growing green fodder	FLD on introduction of Hydrophonic Fodder production	Promotion of low cost Fodder production technology for getting higher milk productivity in dairy animals	1	30	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Dairy Animals	• Low productivity of milk due to non availability of	FLD on Usage of Silage Bags	Training on Silage preparation and its	1	30	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
			green fodder through out the year • No method is followed by farmers to store green fodder	for Silage Production	importance			
		Goat kids	Low body weight gain in goat kids due to a)Incidence of Ecto-Endo parasite b)Imbalanced nutrition	FLD on management of mineral deficiency and Ecto-Endo parasite infestation	Scientific management of goats	5	125	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Poultry Birds	• Local poultry birds produce less eggs and show low growth of body weight	FLD on rearing of backyard poultry birds under cage system	Training on management of Backyard poultry birds	1	30	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
10.4	Home Science	Primary processing of millets	Lack of awareness on primary processing and importance of millets	EDP	Processing of millets	2	50	Dr. Sudha S.R., SMS (Home Science)
		Existing SHGs	Less knowledge about IGAs	-	Multiple IGAs through SHGs	5	150	Dr. Sudha S.R., SMS (Home Science)
		Maize & Rabi Sorghum	Health problems during threshing & winnowing	FLD on ICM practices in maize & Rabi Sorghum	Functional clothing for agricultural operations in Maize & Rabi Sorghum	2	50	Dr. Sudha S.R., SMS (Home Science) &
		Tamarind	Lack of awareness on packing, labeling and licensing of products	FLD on value addition of tamarind	Packing, labeling and licensing of value added products of tamarind	1	15	Dr. Sudha S.R., SMS (Home Science) & Mr. V.D.Vaikunthe, SMS (Agronomy),
		Linseed	Lack of awareness on value added products of Linseed	FLD on Safflower & Linseed	Value added products of Linseed and its importance in	3	60	Dr. Sudha S.R., SMS (Home Science) & Mr. V.D.Vaikunthe, SMS (Agronomy),

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
				intercropping	health			
10.5	Plant Protection	Greengram	High incidence of pest & disease	FLD on ICM in Greengram	Training on pod borer, Pod fly & powdery mildew management	2	45	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bt. Cotton	• High incidence of pest & disease • Less profitable due to mono cropping	OFT on Bt.Cotton + Greengram (1:2) intercropping	Training on sucking pest, mirid bug, flower maggots & disease management	1	25	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Sunflower	High incidence of pest & disease	-	Management of black headed, hairy caterpillar, SND & powdery mildew	1	25	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Bengalgram	High incidence of pod borer and wilt	OFT on varietal assessment	IPM and IDM	2	50	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Redgram	High incidence of pod borer and pod fly	OFT on intercropping in Redgram	IPM and IDM	1	30	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Wheat	High incidence of pest & disease	FLD on ICM in wheat	Management of stem borer & rust	1	25	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Groundnut (Summer)	High incidence of pest & disease	-	Management of leaf minor, leaf spot & collar rot	1	30	Mr. S.K.Mudlapur, SMS (Plant Protection)
10.6	Production of Inputs at Site	All field crops	Decreased soil fertility due to non use of organic manure	FLD on usage of organic inputs for enhancing crop productivity	Training on organic input preparation & usage for soil fertility management	5	50	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
10.7	Soil Health and Fertility	All crops	Low soil fertility	-	Soil fertility management	5	125	Mr. N.H.Bhandi, SMS (Soil Science) & 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
10.8	PHT and value addition	Bengalgram / Greengram	Lack of value addition & less market price	FLD on ICM practices	Grading of Greengram / Bengalgram for better market prices	5	150	Mr. V.D.Vaikunthe, SMS (Agronomy) & Dr. Sudha S.R., SMS (Home Science)
		Rabi Sorghum	Lack of value addition	FLD on Sorghum	Incorporation of Sorghum in daily diet using value added Sorghum products	3	90	Dr. Sudha S.R., SMS (Home Science)
		Millets	Lack of consumption of millets	FLD on foxtail millet & value addition	Importance & value addition of millets	5	200	Dr. Sudha S.R., SMS (Home Science)
10.9	Capacity Building Group Dynamics	FIG/ CIG	Lack of mobilization	-	Orientation on FIG/CIG, capacity building and management	5	100	Mr. S.H.Adapur SMS (Ag. Extension)
10.10	Farm Mechanization	Bengalgram		OFT on varietal assessment in Bengalgram crop	Training on mechanized harvesting	1	25	Mr. V.D.Vaikunthe, SMS (Agronomy)
10.11	Fisheries Production Technologies							
10.12	Mushroom production							
10.13	Agro forestry							
10.14	Bee Keeping							
10.15	Sericulture	Mulberry	Low productivity of Mulberry	-	ICM in Mulberry	1	20	Mr. S.K.Mudlapur, SMS (Plant Protection)
	Others, pl. specify							
					Total	**79**	**1960**	

11. Training for Rural Youth during 2017-18

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
11.1	Crop Production							
11.2	Horticulture Production							
11.3	Livestock Production	Dairy enterprise	• Low productivity of milk	-	Skill upgradation training on dairy management practices	4	100	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Sheep & Goat	• Low body weight in lambs & kids		Feed and endo-ecto parasite management	1	25	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
11.4	Home Science	Health, nutrition and hygiene to young girls and school students	Lack of knowledge on health, nutrition and personal hygiene to young girls and school students	FLD on nutrition garden	Training on balanced diet and personal hygiene for young girls	5	300	Dr. Sudha S.R., SMS (Home Science)
11.5	Plant Protection							
11.6	Production of Inputs at Site							
11.7	Soil Health and Fertility							
11.8	PHT and value addition							
11.9	Capacity Building Group							

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
	Dynamics							
11.10	Farm Mechanization							
11.11	Fisheries Production Technologies							
11.12	Mushroom production							
11.13	Agro forestry							
11.14	Bee Keeping							
11.15	Sericulture							
	Others, pl. specify							
					Total	**10**	**425**	

12 Training for Extension Personnel during 2017-18

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	Crop Production	ICM practices & intercropping systems in pulse, oilseeds and commercial crops	2	40	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
12.2	Home Science				
	Importance of millets in diet	Health and Nutrition	8	250	Dr. Sudha S.R., SMS (Home Science),
12.3	Capacity Building and Group Dynamics	FPO formation and management	1	30	Mr. S.H.Adapur, SMS (Ag. Extension)
12.4	Horticulture	Protected cultivation	1	10	Mr. K.T.Patil, SMS (Horticulture)
12.5	Livestock Production & Management	Nutrition and disease management	1	40	Dr. B.M.Murgod, Programme Assistant (Animal Husbandry
12.6	Plant Protection	Integrated pest management in	1	25	Mr. S.K.Mudlapur, SMS (Plant Protection)

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
		Pulses, Oilseed and commercial crops			
12.7	Farm Mechanization				
12.8	PHT and value addition				
12.9	Production of Inputs at Site	Training on production & usage of organic inputs	1	20	Mr. S.K.Mudlapur, SMS (Plant Protection)
12.10	Sericulture				
12.11	Fisheries				
	Others Soil fertility management	Importance of Soil testing and soil fertility management	1	20	Mr. N.H.Bhandi, SMS (Soil Science) Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) &
		Total	**16**	**435**	

13 Vocational trainings during 2017-18

Sl.No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
13.1	Crop Production						
13.2	Home Science	Dress Designing	2 Programmes (30 days duration)	Women and Youth	30	-	Dr. Sudha S.R., SMS (Home Science)
13.3	Capacity Building and Group Dynamics						
13.4	Horticulture						

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
13.5	Livestock Production & Management	Scientific management of dairy animals	10 Programmes (6 days duration)	Women & youths	300	AH & VS Dept., ASF, ZP etc	Dr. B.M.Murgod, Programme Assistant (Animal Husbandry)
13.6	Plant Protection						
13.7	Farm Mechanization						
13.8	PHT and value addition	Training on Food Procesing	1 Programme (6 days duration)	SHG members	30	-	Dr. Sudha S.R., SMS (Home Science) & Mr. S.H.Adapur SMS (Ag. Extension)
13.9	Production of Inputs at Site	Organic input production and usage	1 Programme (6 days duration)	Youth	15	-	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
13.10	Sericulture						
13.11	Fisheries						
	Total		**14**		**375**		

14 Sponsored trainings during 2017-18

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	Soil, water and crop management	10 (2 days)	Farmers & farm women	500	CADA, Malaprabha & Ghataprabha Projects, Belgaum	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science), Mr. S.H.Adapur SMS (Ag. Extension) Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
		Production technology for Kharif and Rabi crops	10 (2-3 days)	Farmers & farm women	300	KSDA, Gadag	All Staff
14.2	Capacity Building and Group Dynamics						
14.4	Livestock Production & Management						
14.5	Plant Protection						
14.6	Farm Mechanization						
14.7	PHT and value addition						
14.8	Production of Inputs at Site						
14.9	Sericulture						
14.10	Fisheries						
		Total	**20**	**-**	**800**		

15. Extension programmes during 2017-18

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	70	150	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Horticultural crops	50	100	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Soil sample collection • Soil test based nutrient application including soil fertility management	80	250	Mr. N.H.Bhandi, SMS (Soil Science)
	• Contingent crop planning	20	350	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	Dr. Sudha S.R., SMS (Home Science)
	• Organic input preparation	15	150	Mr. S.K.Mudlapur, SMS (Plant Protection)
15.2	**Diagnostic Visits**	20	50	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)
	• Rabi Sorghum	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)

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
	• Foxtail millet	1	80	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 (Summer)	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)
	• 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)
	• Chilli	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	Mr.S.H.Adapur, SMS (Ag. Extension) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• 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)
	• Redgram	1	50	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. S.H.Adapur, SMS (Ag. Extension)
	• Ashwagandha	1	75	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.H.Adapur, SMS (Ag. Extension)
15.4	**Group Discussions**			
	• Kharif season crops	5	150	Mr.S.H.Adapur, SMS (Ag. Extension), Mr. V.D.Vaikunthe, SMS (Agronomy),

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
				Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
	• Rabi season crops	5	150	Mr.S.H.Adapur, SMS (Ag. Extension), Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. K.T.Patil, SMS (Horticulture)
	• Importance of Soil testing and Soil sample collection methods	4	100	Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. N.H.Bhandi, SMS (Soil Science)
	• IGA activities • Women health and nutrition	3	90	Dr. Sudha S.R., SMS (Home Science)
15.5	**Kisan Gosthi**			
	• Alternate Land Use Systems with special reference to Mango and Cashew nut crops	1	100	Mr. K.T.Patil, SMS (Horticulture), Mr. N.H.Bhandi, SMS (Soil Science) & Mr.S.H.Adapur, SMS (Ag. Extension)
15.6	**Film Shows**			
	• Livestock health & nutrition	3	90	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
15.7	**Self Help Groups**	10	200	Dr. Sudha S.R., SMS (Home Science)
15.8	**Kisan Mela including Millet Mela**	1	4000	All staff
15.9	**Exhibition**	3	15000	All staff
15.10	**SMSs' Visit to Farmers Fields**	200	800	Concerned SMS and Programme Assistant
15.11	**Plant/Soil Health/Animal Health Camps**	3	250	Mr. N.H.Bhandi, SMS (Soil Science) Mr.S.H.Adapur, SMS (Ag. Extension) & Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
15.14	**Farmers' Seminar/Workshop**	1	100	Mr.S.H.Adapur, SMS (Ag. Extension) & other staff
15.15	**Method Demonstrations**			
	• Compartment bunding	3	75	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Opening of conservation furrow	2	50	Mr. N.H.Bhandi, SMS (Soil Science) &

Sl.No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
				Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Soil sample collection	3	75	Mr. N.H.Bhandi, SMS (Soil Science)
	• Seed treatment	4	100	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Nipping in Bengalgram	2	40	Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Organic input production	5	150	Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Installation of Pheromone Traps (Fligh-T)	1	50	Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Installation of Blue sticky traps and Yellow traps	2	50	Mr. S.K.Mudlapur, SMS (Plant Protection)
	• Orchard layout	10	10	Mr. K.T.Patil, SMS (Horticulture)
	• Cycle weeder	5	150	Dr. Sudha S.R., SMS (Home Science) & Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Spiral separator	2	100	Dr. Sudha S.R., SMS (Home Science)& Mr. V.D.Vaikunthe, SMS (Agronomy)
	• Silage preparation	5	100	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Concentrated feed preparation	5	100	
	• Mineral feed supplement preparation	5	100	
	• Preparation of Hay & Haylage	5	100	
	• Enrichment of dry fodder	5	100	
15.16	**Celebration of Important Days**			
	• World food day	1	100	Mr.S.H.Adapur, SMS (Ag. Extension) & other staff
	• JaiKisan JaiVigyan week (Technology week)	5	4000-6000	All staff
	• World Soil Health Day	1	100	Mr. N.H.Bhandi, SMS (Soil Science), Mr. V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr.S.H.Adapur, SMS (Ag. Extension)
	• Mahila Kisan Diwas	1	100	Dr. 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
				Mr.S.H.Adapur, SMS (Ag. Extension)
15.17	**Special Day Celebration**			
	• World environment day	1	100	Mr.S.H.Adapur, SMS (Ag. Extension) & Mr. N.H.Bhandi, SMS (Soil Science)
15.18	**Exposure Visits**	10	300	Concerned staff
15.19	**Awareness Programs**			
	• Soil & water conservation	2	60	Mr. N.H.Bhandi, SMS (Soil Science)
	• Soil test based nutrient application	4	120	Mr. N.H.Bhandi, SMS (Soil Science)
	• Contingent crop planning	5	300	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. K.T.Patil, SMS (Horticulture)
	• Dryland Horticulture and Agro-forestry systems	3	120	Mr. K.T.Patil, SMS (Horticulture) & Mr. N.H.Bhandi, SMS (Soil Science)
	• Livestock health & nutrition	3	200	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
	• Women health & nutrition	5	350	Dr. Sudha S.R., SMS (Home Science)
	• Drudgery reducing equipments	2	100	Dr. Sudha S.R., SMS (Home Science)
	• IGAs to SHGs	3	100	Dr. Sudha S.R., SMS (Home Science)
	• Organic input production	5	200	Mr. S.K.Mudlapur, SMS (Plant Protection)
	Total	**754**	**30465**	

16. Activities proposed as Knowledge and Resource Centre during 2017-18

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	Pulse crops and their inter crops	6 Ha	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.L.Halemani, Farm manager
16.1.2	Demonstration Units	• Value addition in Amla & Karounda	1000 farmers/farm women visit to the units	Dr. Sudha S.R., SMS (Home Science)

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
		• Mixed orchard of fruit crops – Mango, Cashew, Custard apple and Sweet lime	2000 farmers/farm women	Mr. K.T.Patil, SMS (Horticulture)
16.1.3	Lab Analytical services	• Soil, water & plant testing	1800 samples	Mr. N.H.Bhandi, SMS (Soil Science)
		• Identification of pest and disease	50 samples	Mr. S.K.Mudlapur, SMS (Plant Protection)
16.1.4	Technology Week (to be celebrated during JaKisan JaiVigyan Week i.e 23-29, Dec, 2017) + Agriculture exhibition on 28-01-2018 at Hulkoti	Technologies relevant to Gadag district	8000-10000 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 2016-17	Names of the team members involved
16.2.1	Seeds	Seed growing farmer	Onion seeds	20 Qtls	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
			Greengram (DGGV-2)	20 Qtl	Mr. V.D.Vaikunthe, SMS (Agronomy) & Mr. S.L.Halemani, Farm Manager
			Blackgram (DU-1)	05 Qtl	
			Redgram (TS-3R)	30 Qtl	
			Bengalgram (GBM-2)	25 Qtl	
			Rabi Sorghum (BJV-44)	10 Qtl	
			Rabi Sorghum (SPV-2217)	10 Qtl	
16.2.2	Planting materials		Mango (Alphonso)	2000 Nos.	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
			Tamarind	500 Nos.	
			Slips of Fodder and forage crops	50000 Nos.	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
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	
			Azolla	200 Kgs	

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (q)/ Number planned to be produced during 2016-17	Names of the team members involved
16.2.4	Livestock strains		Poultry Birds (Swarnadhara chicks)	500 Nos.	Dr. B.M.Murgod Programme Assistant (Animal Husbandry) & Mr. S.L.Halemani, Farm Manager
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 crop production • In-situ soil & water conservation practices	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 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 • Organic input preparation technology • Azolla cultivation	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Chemical weed management • Seed priming with $CaCl_2$ for Rabi Sorghum • Pair row method of sowing in Rabi Sorghum • Opening of conservation furrow for moisture conservation	Mr. V.D.Vaikunthe, SMS (Agronomy)

	Category	Technological capsules / Number	Names of the team members involved
		• Compartment bunding for soil moisture conservation • Nipping in Bengalgram & its importance • Contingent crop planning • Foliar spray of KNO_3 for drought tolerance	
	Horticulture	• Weed management in Onion • Nutrient management in fruit crops • Mango orchard management	Mr. K.T.Patil, SMS (Horticulture)
		• Chilli pest and disease management	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.K.Mudlapur, SMS (Plant Protection)
	Animal Husbandry	• Scientific Dairy Management technologies	Dr. B.M. Murgod Programme Assistant (Animal Husbandry)
	Fisheries	-	-
	Sericulture	• Mulberry cultivation through organic farming practices	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 and Mahila Samukhya i) Drudgery reducing equipments in home and farm ii) Nutrition & reproductive health	Dr. Sudha S.R., SMS (Home Science)
16.3.2	Literature/publication	**Leaflets**	
		• Scientific Dairy Management in Dry land Area	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		• Success stories of progressive farmers	Dr. 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	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Production technologies in Onion • Post harvest management in Mango	Mr. K.T.Patil, SMS (Horticulture)

	Category	Technological capsules / Number	Names of the team members involved
		• Production technology in Greengram • Integrated crop management in Maize • Integrated crop management in Bt. Cotton • Production technology in Groundnut • Production technology in Bengalgram • Production technology in Sunflower	Mr.V.D.Vaikunthe, SMS (Agronomy), Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. N.H.Bhandi, SMS (Soil Science)
		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)
		• 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 • Importance & value addition in millets • Value addition in Sorghum	Dr. 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	Mr. S.K.Mudlapur, SMS (Plant Protection)

	Category	Technological capsules / Number	Names of the team members involved
16.3.4	Electronic Media	**TV Programmes:** • Demonstration on enrichment of dry fodder and Azolla cultivation	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		• Vermicompost & Vermiwash preparation and usage	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Dry land horticulture technologies	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	Mr. N.H.Bhandi, SMS (Soil Science)
		• Agro processing • Nutrition for teenagers	Mrs. Sudha S.R., SMS (Home Science)
		• Organic farming and its importance	Mr. S.K.Mudlapur, SMS (Plant Protection)
		• Onion seed production technologies	Mr. K.T.Patil, SMS (Horticulture)
		• Resource conservation technologies in Kharif crops	Mr. V.D.Vaikunthe, SMS (Agronomy)
16.3.5	Kisan Mobile Advisory Services	Soil Science aspects – 6 Nos.	Mr. N.H.Bhandi, SMS (Soil Science)
		Home Science aspects – 10 Nos.	Dr. Sudha S.R., SMS (Home Science)
		Plant Protection aspects – 15 Nos.	Mr. S.K.Mudlapur, SMS (Plant Protection)
		Horticulture aspects – 10 Nos.	Mr. K.T.Patil, SMS (Horticulture)
		Agronomic aspects – 20 Nos.	Mr.V.D.Vaikunthe, SMS (Agronomy)
		Animal Science aspects – 15 Nos.	Dr. B.M.Murgod Programme Assistant (Animal Husbandry)
		Market information, Input availability & other messages – 20 Nos.	Mrs. Lalita S. Asuti, Computer Programmer

17. Additional Activities Planned during 2017-18 :

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	Karnataka State Department of Horticulture	Technical backstopping to FPOs	Details given in 17.2 (IV)	3,09,750	Details given in 17.2 (IV)
17.2	ATMA, Karnataka State Department of Agriculture	1) Monthly joint meetings	8	0	Programme Coordinator & all Subject Matter Specialists of KVK
		2) Training of ATMA group farmers	10	0	
		3) Technical advisories to ATMA staff	As and when necessary	0	
		4) Diagnostic field visits to farmers field in ATMA adopted villages	6	0	
		5) Joint conductance of district level krishi mela and Kisan Diwas	2	1,00,000	
		6) Participating as resource persons in FFS	2	0	

17.3 Other Activities

I. **INTEGRATED FARMING SYSTEM :** IFS shall be implemented in 5 farmers' fields as detailed in the following table with components such as vermicomposting, preparation of Jeevamrutha and cultivation of Azolla along with planting of cashewnut, sweet lime and coconut seedlings. The total budget requested for IFS is Rs.50000. In the following table, the IFS components demonstrated during previous year 2016-17 are also

given. In addition, as per the suggestion given in SAC meeting, one farmer having Farm Pond under Krishi Bhagya Yojane shall be selected additionally during the year 2017-18.

Sl. No.	Name of farmer	IFS components demonstrated during 2016-17	IFS components proposed during 2017-18	Aprox. budget required (Rs.)
1	Shri M.S.Patil At: Hosalli Tq.: Gadag	Guava, drumstick, curry leaf, lime, fodder & grass	Vermicompost, Cashewnut, Sweet lime, Coconut and Azolla & Jeevamruta	10000
2	Shri Ashok Halli At: Shagoti Tq.: Gadag	Guava, drumstick & curry leaf	Sweet lime, Rose, Coconut and Azolla & Jeevamruta	10000
3	Shri Ramappa Ronad At: Hosalli Tq.: Gadag	Drumstick, Curry leaf, Vermicompost, Grass & fodder	Cashewnut, Sweet lime, Coconut and Azolla & Jeevamruta	10000
4	Shri Parashuram Jadav At: Hosalli Tq.: Gadag	Guava, Curry leaf, Grass & fodder	Cashewnut, Sweet lime Coconut, Vermicompost & Azolla	10000
5	Shri Manohar Karabari At: Mahalingapur Tq.: Gadag	Vermicompost, Curry leaf, Guava, Grass & fodder & Poultry birds (layers)	Cashewnut, Sweet lime, Coconut and Azolla & Jeevamruta	10000
			Total	**50000**

II. INNOVATIVE PROGRAMMES: An innovative programme on EDP in primary processing and value addition in millet crops is planned to be implemented during the year 2017-18 at Binkadakatti village of Gadag block and district. The budget proposed is Rs. 60000/-. The details are given below.

1) DETAILS OF PRIMARY PROCESSING AND MARKETING OF FOXTAIL MILLET AND LITTLE MILLET

A) Major problems in millets : The farmers growing millets sell their produce without processing and therefore, they get very less price in the market. Majority of the farmers are not aware about availability of machineries for taking up the primary processing of millets.

B) Technology Interventions through EDP : Through this EDP farmers will be introduced to use primary processing machineries and later will be encouraged to pack the processed millets in appropriate packages for marketing of grains. So that instead of getting price of Rs.1500-2000 per Quintal of foxtail millet and little millet, they will be able to get Rs.7000-8000 per Quintal of processed and packed grains of both millets. Farmers will be encouraged to take up the marketing directly with retailers.

C) Parameters to be studied: Economics of marketing raw grains and processed grains & product yield (Kg)

2) POPULARISATION OF VALUE ADDED PRODUCTS OF FOXTAIL MILLET AND LITTLE MILLET

A) Major problems in popularizing value added products of millets : Although the farmers grow millets, but they are not using for self consumption as they are not aware of using millet products in their daily diet. This is mainly due to lack of awareness on millet nutrition and lack of awareness on preparation of various food products that can be prepared and used in every day diet.

B) Technology interventions through EDP:

- Farmers and farm women will be given awareness about importance of millets in their daily diet as Binkadakatti village people are now using only Sorghum, Wheat and Rice in their daily diet although they do not grow wheat and rice.

- In order to enable the families to use millets in their daily diet, demonstrations of millet products shall be taken up (products such as Roti, Upama, Idli, Dosa, Millet Rice, Millet Curd Rice, Millet Pulav, Millet Pongal and other various ethnic foods that can be prepared with both foxtail millet and little millet).
- The local Self Help Groups shall be facilitated to prepare various products along with appropriate nutritional labels, attractive packings with product labels and relevant nutritional literature so as to enable them to sell these products in the market.(**products such as cookies, vermicelli, ready to eat mixtures and instant mixtures of foxtail millet and little millet**)

C) Parameters to be studied: Organoleptic evaluation and acceptability of the product by the farm women

BUDGET REQUIRED FOR EDP:

The following budget is required for critical inputs for both the components and organizing millet mela

Sl. No.	Particulars	Amount (Rs.)
i)	Weighing machine	5000
ii)	Sealing machine	3000
iii)	OTG oven	10000
iv)	Cost of materials required for demonstration	10000
v)	Cost of labels, packing materials, relevant literature	15000
vi)	Cost of organizing Millet Mela	10000
vi)	Exposure visit to successful entrepreneurs units / shops	7000
	Total	**60000**

III. SPECIAL AGRICULTURAL SKILL TRAININGS PROPOSED FOR THE YEAR 2017-18 (200 HOURS EACH)

The following two skill trainings are proposed for the year 2017-18 in collaboration with Agricultural Skill Council of India

Sl. No	Title of the programme (Nomenclature of job role)
1	Organic grower
2	Dairy farmer-Entrepreneur

IV. SPECIAL PROGRAMME OF TECHNICAL BACKSTOPPING TO FPOs FOR INTEGRATED HORTICULTURE DEVELOPMENT

The Karnataka State Department of Horticulture has sanctioned a new programme involving KVKs for providing technical backstopping to FPOs for Integrated Horticulture Development in Karnataka State. Accordingly, KVK Hulkoti is proposing to provide technical backstopping to Puttaraj Gavayi Horticulture Farmers' Producer Company of Gadag district through following activities.

Sl. No.	Programmes	Quantity	Unit cost (Rs.)	Total Amount (Rs.)
1	Demonstrations in horticulture crops	3 Nos. in 3 crops	10000 for critical inputs	30000
		Contingency (5 visits per demo x 2 RP x 3 demos)	-	15000
2	Field visits	8 visits	2000	16000
3	Trainings	3 trainings (25 farmers / batch)	2500 / farmer / day	18750
4	Inter-state study tour (Maximum 5 days)	1 team of 50 farmers	8000 / farmer / day	200000
5	Diesel and oils	For 4 months period	30000 lumpsum	30000
			Total	**309750**

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2016 (Rs.in Lakh)	Expenditure incurred during 2016-17 (Rs.in Lakh)	Receipts during 2016-17 (Rs.in Lakh)	Closing balance as on 31.01.2017 (Rs.in Lakh)	Expected closing balance by 31.03.2017 (Including value of material in stock/ likely to be produced)
2.27	45.69	50.95	7.53	8.00

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	3 Qtl	40000	Dr. Sudha S.R., SMS (Home Science) & Mr. S.L.Halemani, Farm Manager
18.2.2	Karounda/Amla pickle	8 Qtl	40000	Dr. Sudha S.R., SMS (Home Science) & Mr. S.L.Halemani, Farm Manager
18.2.3	Onion seed production	10 Qtl	400000	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
18.2.4	Mango grafts	2000	10000	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
18.2.5	Tamarind grafts	500	2500	Mr. K.T.Patil, SMS (Horticulture) & Mr. S.L.Halemani, Farm Manager
18.2.6	Vermicompost production	15 ton	60000	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. S.L.Halemani, Farm Manager
18.2.7	Vermi wash	500 liters	20000	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. S.L.Halemani, Farm Manager
18.2.8	Earth worms	2 Qtl	60000	Mr. S.K.Mudlapur, SMS (Plant Protection) & Mr. S.L.Halemani, Farm Manager
18.2.9	Milk production	11000 lit	158000	Dr. B.M.Murgod, Programme Assistant (A. Sc.) & Mr. S.L.Halemani, Farm Manager
18.2.10	Lamb and kid production	15 Nos	28740	Dr. B.M.Murgod, Programme Assistant (A. Sc.) & Mr. S.L.Halemani, Farm Manager
18.2.11	Mineral lick block production	1000 Nos	25000	Dr. B.M.Murgod, Programme Assistant (A. Sc.) & Mr. S.L.Halemani, Farm Manager

19. Activities of soil, water and plant testing laboratory during 2017-18

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	1500	Mr. N.H.Bhandi, SMS (Soil Science)
19.2	Water	300	Mr. N.H.Bhandi, SMS (Soil Science)
19.3	Plant	-	-
19.4	Others	-	-

20. E-linkage during 2017-18

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 - Greengram	31-12-2017	
20.2	Creation and maintenance of relevant database system for KVK		
	i) Bench mark data	30-09-2017	
	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
20.3	Any other – Updating website of KVK	Every 15 days	
	Online reporting system of KVK	Entering data every month	Already started

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 numbers	-
21.2	Training on rainwater harvesting measures for 30 extension functionaries	-
21.3	Exposure visit for rainwater harvesting structures for 200 farmers/farmwomen	-

22. Innovative Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducing Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	March, 2018
22.3	Brief action plan in this regard	The innovative farmers' meet will be held during the month of March, 2018. The objective of the meeting is to bring the district innovative farmers on single platform and share the innovativeness of the practices and process developed by them based on their local wisdom. The innovative practices developed by the farmers related to resource conservation, agricultural practices, plant protection bio-diversity conservation, animal husbandry, farm equipments etc will be invited to the meet. About 20-25 farmers will be invited to present their innovations. The selected innovations will be documented and popularized through mass media.

23. Farmers Field School (FFS) planned :

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
23.1	ICM	ICM in Greengram	Rs. 30000/-

Details of FFS are as follows

Title : **ICM in Greengram crop**
Village : **Binkadakatti** Block : **Gadag**
No. of farmers: **25** Farming situation: **Rainfed** Season : **Kharif 2017-18**

Sl. No.	FFS Sessions to be conducted
1	Preliminary discussion with farmers regarding FFS , preparation for FFS, soil and water conservation methods etc.
2	High yielding varieties, seed treatment and Integrated nutrient management in Greengram crop
3	Demonstration of yellow sticky traps & blue sticky traps for pest management in farmers' fields
4	i) Study of Life cycle of sucking pest and leaf eating cater piller and their management ii) Demonstration of cycle weeder
5	INM through foliar spray of pulse magic

6	Identification of pod borer, powdery mildew disease and their timely management
7	Demonstration of spiral separator for grading of greengram produce

24. Budget - Details of budget utilization (2016-17) up to 31 January 2017 **(Rs. In lakhs)**

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	141.190	141.190	118.193
24.1.2	**Traveling allowances**	1.500	1.500	1.490
24.1.3	**Contingencies**			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	3.000	3.000	2.440
B	POL, repair of vehicles, tractor and equipments	2.000	2.000	2.014
C	Meals/refreshment for trainees	0.700	0.700	0.700
D	Training material	0.300	0.300	0.299
E	Frontline demonstration except oilseeds and pulses	2.180	2.180	2.190
F	On farm testing	0.340	0.340	0.334
G	Training of extension functionaries	0.500	0.500	0.499
H	Maintenance of buildings	0.500	0.500	0.499
I	Establishment of Soil, Plant & Water Testing Laboratory	0.500	0.500	0.390
J	Library	0.100	0.100	0.083
K	Extension activities	0.500	0.500	0.499
L	Farmers' Field School	0.300	0.300	0.270
M	Display Boards	0.100	0.100	0.097
N	EDP/Innovative Activities	0.400	0.400	0.290
O	Integrated Farming System	0.400	0.400	0.396
24.1	**Total Recurring**	**154.510**	**154.510**	**130.683**
24.2	**Non-Recurring Contingencies**	0.000	0.000	0.000
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
24.2.4	**Library**	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)**	**158.510**	**158.510**	**134.679**

25. Details of Budget Estimate (2017-18) based on proposed action plan

S. No.	Particulars	BE 2017-18 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	**161.75**
25.1.2	**Traveling allowances**	**2.50**
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)	3.00
B	POL, repair of vehicles, tractor and equipments	3.50
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.50
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	4.71
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.85
G	Training of extension functionaries	1.00
H	Maintenance of buildings	1.00
I	Establishment of Soil, Plant & Water Testing Laboratory	0.50
J	Library	0.25
K	Farmers Field School	0.50
L	Extension Activities	1.00
M	Innovative Activities	0.50
N	IFS	0.50
25.1	**TOTAL Recurring Contingencies**	**184.06**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	12.00
25.2.2	**Equipments including SWTL & Furniture**	0
25.2.3	**Vehicle** (Tractor)	10.00
25.2.4	**Library** (Purchase of assets like books & journals)	0
25.2	**TOTAL Non-Recurring Contingencies**	**22.00**
25.3	**REVOLVING FUND**	0.00
25.4	**GRAND TOTAL**	**206.06**

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