ICAR-TARALABALU KRISHI VIGYAN KENDRA, DAVANAGERE

ACTION PLAN 2018-19

1. General information about the Krishi Vigyan Kendra

1.	Name and address of KVK with Phone, Fax and e-mail, Website	:	**ICAR- Krishi Vigyan Kendra** Kadalivana, LIC Colony Layout, BIET College Road, DAVANAGERE-577004, Karnataka Phone : 08192-263462, Fax : 08192-260969 E-Mail : dvgtkvk@yahoo.com
2.	Name and address of host organization	:	Taralabalu Rural Development Foundation SIRIGRE-577541, Chitradurga District
3.	Year of sanction	:	2004-05
4.	Name of agro-climatic zone	:	1. Northern Dry Zone (Zone-III): Harapanahalli tq. 2. Central Dry Zone (Zone-IV): Jagalur, Harihara and Davanagere tq. 3. Southern Transitional Zone (Zone-VII), Channagiri and Honnali tq.
5.	Major farming systems/enterprises		**Rainfed:** Maize, Maize+Redgram, Figner millet, Sunflower, Groundnut, Redgram, Cotton, Jowar, Bengalgram, Minor millets, Mango **Irrigation:** Rice-Rice, Sugarcane, Arecanut, Coconut, Banana, Betelvine, Papaya, Vegetables, Fodder crops, Pomegranates. **Enterprises:** Poultry, Dairy, Sheep/Goat rearing, Fisheries, Vegetable nurseries.
6.	Soil type	:	• Red Sandy soils (Hariahra, Channagiri, Jagalur, Davanagere tq.) • Deep to medium deep block soils (Jagalur, Davanagere and Harapanahalli tq). • Mixed Red and Black soils (Honnali, Jagaluru, Harapanahalli tq. • Sandy Loam Soil (Harihara, Davanagere tq.)
7.	Annual rainfall (mm)	:	722 mm in 2017 (Normal 662 mm)

2. Details of staff as on date

				If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Discipline**	**Current Pay Band**	**Current Grade Pay**	**Date of joining**	
2.1	Senior Scientist-Cum-Head	Dr.Devaraja T N	Fishery	37400-67000 PB-4	10000	17-05-2005	Permanent
2.2	Subject Matter Specialist	Mr.Basavanagowda M G	Horticulture	15600-39100 PB-3	6600	21-11-2006	Permanent
2.3	Subject Matter Specialist	Mr.Mallikarjuna B O	Agronomy	15600-39100 PB-3	5400	09-01-2008	Permanent
2.4	Subject Matter Specialist	Dr.Jayadevappa G K	Animal Science	15600-39100 PB-3	5400	29-01-2008	Permanent
2.5	Subject Matter Specialist	Mr.Raghuraja J	Agri. Extn.	15600-39100 PB-3	5400	23-06-2008	Permanent
2.6	Subject Matter Specialist	Mr.Prasannakumar N	Plant Protection	15600-39100 PB-3	5400	24-06-2008	Permanent
2.7	Subject Matter Specialist	Mr.HM Sannagoudra	Soil Science	15600-39100 PB-3	5400	01-07-2013	Permanent
2.8	Programme Assistant	Mr.Revanasiddappa G B P	Lab.Technician	9300-34800 PB-2	4200	11-04-2012	Permanent
2.9	Computer Programmer	Mr.Santhosh B	Computer	9300-34800 PB-2	4200	05-09-2008	Permanent
2.10	Farm Manager	Mr.Vijayakumar S B	Farm Manager	9300-34800 PB-2	4200	23-06-2008	Permanent
2.11	Accountant/Superintendent	Mr.Mallikarjuna S Gudihindala	Administration	9300-34800 PB-2	4600	01-06-2005	Permanent
2.12	Stenographer	Smt Mamatha H Melmalagi	Administration	5200-20200 PB-1	2400	27-06-2005	Permanent
2.13	Driver 1	Mr.Marulasiddaiah NM	Jeep	5200-20200 PB-1	2000	01-06-2005	Permanent
2.14	Driver 2	Mr.Shivakumar S	Tractor	5200-20200 PB-1	2400	01-06-2005	Permanent
2.15	Supporting staff 1	Mr.Shivakumar B	Office Attendant	5200-20200 PB-1	1900	01-06-2005	Permanent
2.16	Supporting staff 2	Mr.Shivakumar S E	Farm Attendant	5200-20200 PB-1	1900	01-06-2005	Permanent

3. Details of SAC meeting conducted during 2017-18

Recommendations made in the SAC meeting:

Group-I : To be addressed at KVK level

- To produce pepper seedlings in Krishi Vigyan Kendra and supply to farmers. Panchami and Pournami varieties can be introduced.
- To get vermicelli production unit FASSI registration and packing and branding.
- Facilitate direct marketing by farmers through training/exposure visits. Individual farmer/farmer group should be motivated in line with Sri Onkarappa from S. Mallapura village. At least, 5 such cases by next SAC meeting.
- To document spread of BRG-5 redgram variety in the district. Make an impact study by selecting 25 farmers out of 190 farmers who cultivated BRG-5 variety.
- CSR activities support should be taken to spread Krishi Vigyan Kendra technologies.
- Special activities need to be taken up by Krishi Vigyan Kendra to create awareness on soil analysis based fertilizers application to farmers.
- To link Aadhar number to soil analysis report issued by Krishi Vigyan Kendra.
- To organize an Farmer-Scientist interface to review the soil analysis reports data.
- Create payment gateway in website to receive online payment.
- To put short technology videos in website and youtube. (< 3 minutes).
- Establish chick hatchery in Krishi Vigyan Kendra.
- To take up *Melia dubia* in Kadalivana farm and use them as fodder.
- To develop market innovation book (success stories of innovative farmers on marketing).

Group-II : To be addressed through action plan of KVK in the year 2018-19

- Animal Science activities need to be concentrated in Jagalur and Harapanahalli tq.
- To take up FLDs and OFTs in ICM and IFS concept to help in doubling farmers income in the district.
- To promote small ruminants and desi cows, both in KVK and with farmers.

Group-III : To be addressed through convergence with Development Departments

- Increase AI activities for the help of dairy farmers may be at taluk level and increase the member of A I experts.
- Adopt innovative methodologies to replicate SWTL, Animal Science, Vermicompost and other activities and consider out sourcing of nursery, AI, Grafting in way that Krishi Vigyan Kendra should be an incubation center.
- Seeds of Bheema Super variety in onion should be made available in the district (either in KVK or with Department/farmers) FPO's can be used for this purpose.
- A team of 20-25 farmers can be sent for a training on protected cultivation with the help of Department of Horticulture.
- To submit proposal on 'Model nursery' to Department of Horticulture, Davanagere.
- Spread the information on availability of forest species in forestry Department through KVK extension activities.
- To create awareness on marketing and include APMC personnel in KVK programmes and SAC meeting.
- Polyhouse and Shade homes in the district need to put in to effective usage in collaboration with Department of Horticulture.
- To give top priority for water use. Popularize aerobic rice and DSR cultivation.

Tentative date of SAC during 2018: 22-12-2018

4. Capacity Building of KVK Staff

A. Plan of Human Resource Development of KVK personnel during 2018-19

Sl. No	Category	Area of training	Institution proposed to attend	Justification	Details of trainings attended during 2017-18
1.	Senior Scientist and Head	Aquaponics	Rajeev Gandhi Institute of Coastal Aquaculture, Chennai	Emerging area of Aquaculture Integrated with Horticulture.	
2.	Scientist (Plant Protection)	Bio agent production	National Bureau of Agriculturally important insect and pest, Bengaluru & UAS, Bengaluru.	To acquire knowledge about different production methods of bio agents.	

3	Scientist (Agri. Extension)	Entrepreneurship Development in Rural Areas	CAFT- Programmes in ICAR Institutes	To develop entrepreneurs in Rural Areas there by promoting secondary agriculture	
4	Scientist (Agronomy)	Dryland Agriculture and Watershed Management	ICRISAT and CRIDA, Hyderabad	To acquire knowledge about different water harvesting structures and water calculation.	
5	Scientist (Soil Science)	Use and maintenance of Advanced Instruments in Soil and Plant Analysis	Indian Institute of Soil Science, Bhopal	To strengthen soil and water testing laboratory	Application of Statistical Technology in Agricultural Research

B. Cross-learning across KVKs

S. No	Name of the KVK proposed	Purpose	Mode of learning
1	KVK-Erode	Precision Farming	Visit and interaction
2	KVK-Thiruvanathapuram	Value Addition	Visit and interaction
3	KVK-Mysore	Agriclinic	Visit and interaction
4	KVK-Mallapuram	Overall Activity	Visit and interaction
5	KVK-Bagalkote	Bioagents Lab	Training.
6	KVK, Kodagu	Technologies related to horticulture and animal sciences	Visit and interaction

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

S.No.	Name of the KVK included in the cluster	Nature of sharing		
		Knowledge/expertise	Resources (facilities and products)	Activities
1	Krishi Vigyan Kendra, Shivamogga	Horticulture	Nurseries	Demonstration Units
2	Krishi Vigyan Kendra, Tumkur-II	Horticulture, Secondary Agriculture	Nurseries	Demonstration Units
3	Krishi Vigyan Kendra, Chitradurga	Home Science	Demonstration	Training

6. Plan of Work for 2018-19

A. Operational areas details proposed

Sl. No.	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year
		Existing	New				
1.	Davangere		Mayakonda	Maize +Redgram	Army worm incidence Sole cropping No seed treatment Low yield	Intercropping redgram (BRG-5) with Maize	2017
2.	Channagiri		Thyavangi	Rice	Tail enders Cost of production is very high (25 to 30 thousand Soil health	Direct Dry seeded Rice	2017
3.	Jagalur		Asgodu	Finger millet	Low yield No seed treatment with Bio fertilsers Blast	Drought tolerant and blast resistant ,HYV	2017
4.	Jagalur		Asgodu	Bengal gram	Low yield No IPM measures Poor Nutrient management	ICM in Bengal gram	2018
5.	Jagaluru		Pallaghatta	Groundnut	Low yield Root rot and Collar rot Higher seed rate No Gypsum application	ICM in Groundnut with HYV	2018
6	Honnali	Rameshwara Malligenahalli	Belagutti Arundi	Banana	• Low yield • Incidence of Banana Skipper	Integrated Crop management	2016
7	Honnali	Rameshwara Malligenahalli	Belagutti Arundi	Onion	• Low yield	Integrated Crop management	2017
8	Mayakonda	Anaberu Nalkunda Echghatta	Hedne	Coconut	• Mono cropping • Non use of interspaces • Low income	Integrated Crop management	2018

9	Mayakonda	Anaberu Nalkunda Echghatta	Hedne	Arecanut	• Low yield • Nut dropping • Inflorescence dieback • Anabe Roga	Integrated Crop management	2018
10	Kanchikere	Voderahalli		Cashew	Water Scarcity in major villages	Integrated Crop management	-
11	Davanagere		Anagodu, Hebbal, Haluvarthy & etc.	Maize, Finger millet, dairying, sheep & Goat rearing & backyard poultry	Low production from dairy animals Low quality milk (low Fat & SNF) Infertility/ repeat breeding problems in crossbred cows Low body weight gain & delayed puberty in small ruminants	Nutrition Management	2014
12	Harihara	Jigali	Kundawada	Fisheries	Low production. Aquaculture with improved varieties.	Nutrition Management	2017
13	Jagalur	-	Asagodu, Pallagatte	Maize, Finger millet, dairying, sheep & Goat rearing & backyard poultry	Low production from dairy animals Low quality milk (low Fat & SNF) Infertility/ repeat breeding problems in crossbred cows. Low body weight gain, Mortality due to disease incidences & delayed puberty in small ruminants	Nutrition Management & Disease Management.	2017

14	Channagiri	-	Devarahalli, Hirehalli, kagathur	Maize, Finger millet, dairying, sheep & Goat rearing & backyard poultry	Low production from dairy animals Low quality milk (low Fat & SNF) Infertility/ repeat breeding problems in crossbred cows. Low body weight gain & delayed puberty in small ruminants	Nutrition Management.	2018

B. Prioritized problems and KVK interventions proposed

Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)				
				OFT	FLD	Training	Extension programmes	Production of technology inputs
Maize + Redgram	Davangere	Army worm incidence Sole cropping No seed treatment Low yield	**Seeds**- BRG-5-3kg **Bio Fertilizers:** Consortium (N fixing , P &Zn Solubulising and PGPR)-1kg- **Nutrient Mixture** :Pulse Magic -2kg **Plant Protection Measure**:Pheromone traps and Lures for Army worm (maize) and Pod borer(Redgram)		✓	✓	✓	✓

RICE	Channagiri	Tail enders Cost of production is very high (25 to 30 thousand ha. Soil health)	**Direct dry seeded Rice Seed** Seeds -**12kg- Rs.600** Seed treatment with Bio fertilizers –(*Azospirillum* ,PSB)-**1kg** Hiring charges of Seed cum fertilizer drill, Micro Nutrient application (Zn and Fe) **Pre –Emergent Weedicide** (2-3 DAS)- Pendimethilin 30EC **0.5l** **Post –Emergent Weedicide** Bispyriback Sodium 100 SC –(Grasses and Sedges) 100ml + Metsulfuron 20 **WP 8g** (Broad leaf) 15-20 DAS or Rs. Cyhalofop-butyl+penoxulam -1Litre (grasses)		✓	✓	✓	✓
Finger Millet	Jagalur	Low yield No seed treatment with Bio fertilizers, Blast	**Seeds and Variety** :ML-365 variety (110-115 days) **Bio Fertilizers:** Seed treatment/soil application with FYM & bio-fertilizers (*Azospirillum* sp., PSB & VAM*)* **Nutrients**: Use of water soluble fertilizers (at tillering stage (KNO_3 @ 1%) Spraying of Micronutrient ($ZnSO_4$ and Ferrous Sulphate		✓	✓	✓	✓

Bengal gram	Jagalur	Low yield No IPM measures, Poor Nutrient management	**Seed** – JAKI 9218 @ 62.5kg/ha **Seed Treatment** Bio fertilizers – Rhizobium, PSB, VAM (2 kg each) Bio-Fungicide – Trichoderma – 2 kg (4 g/kg of seed) Spray with Chick pea special @ 3.2 kg/ha (10g/liter of water) **PP measures** Pheromone traps – 10 Nos.,/ha HaNPV – 300 LE/ha. Bengal gram : Coriander - 10:1 Profenophos @ 2ml/l (1.25 l /ha)		✓	✓	✓	✓
Groundnut	Jagaluru	Low yield Root rot and Collar rot Higher seed rate No Gypsum application	**Variety** : G2-52(Medium duration) **Bio fertilsers** : Seed treatment with (Rhizobium and PSB) @ 500g/ha *Trichoderma viridae* @ 4g/kg of seeds **Nutrient Management** :Gypsum application(calcium and Sulphur) Plant Protection measures: Sucking pests (Imidachloprid 0.5ml/l)		✓	✓	✓	✓

Sorghum	Jagaluru Asagodu	• Use of local varieties • Imbalanced nutrient management • Lodging	• Introduction of variety suitable for rainfed • Integrated nutrient management • Intercropping with safflower		√	√	√	
Tomato	Hucchavvanahalli	• Imbalanced nutrient management • Calcium deficiency • Blight • Fruit borer • Sucking pest incidence	• Use of arka microbial consortium • Spraying of banana special and calcium nitrate • Yellow sticky trap • Pheramone trap		√	√	√	
Drumstick	Hebbalu	• Imbalanced nutrient management • Flower dropping • Boron deficiency • Water management	• Soil test based fertilizer application • Spraying of micronutrient and NAA@20ppm • Water management strategies	√		√	√	
Onion	Harappanahalli	• Low Yield • Lack of Suitable variety for Rabi Season	Introduction of New varieties	√	√	√	√	√
Cashew	Harappanahalli	• Reduced water level • No Diversification of crops	• Cashew seedlings var. vengrula -5 • Redgram as intercrop in pre bearing age • Drip irrigation (Convergence with Horticulture department) • Convergance with NHM for other inputs		√	√	√	

Banana	Davanagere	• Low yield • Incidence of Banana Skipper	Integrated Crop Management			√	√	
Coconut	Davanagere	• Mono cropping • Non use of interspaces • Low income	Integrated Crop Management			√	√	
Arecanut	Davanagere	• Low yield • Nut dropping • Inflorescence dieback • Anabe Roga	Integrated Crop Management			√	√	
Cowpea	Davanagere	• Imbalanced nutrient management • Sucking pest incidence	• Soil test based nutrient application • Use of DC-15 seeds: 25kg / ha • Seed hardening with $CaCl_2$ • Bio fertilisers- Rhizobium., PSB &VAM (2kg each/ha) • Spray with pulse Magic @ 5kg/ha (10g/liter) • Spray with imidachloprid @ 0.3ml/l -200 ml/ ha. • Spray with hexaconazole @ 1ml/l- 500ml/ha • Use of yellow sticky traps @ 25/ha		√	√	√	

Dairying	Davanagere Tq and Anagodu Cluster	• Lower milk Production, Fodder scarcity, Higher production cost	Balanced feeding based on NRC specifications utilizing the concept of dry fodder enrichment	√		√	√	
		• Weakness in crossbred calves due to under feeding and worm infestation leading to delayed puberty.	Integrated management of calves by feeding colostrums and providing balanced nutrition & total deworming		√	√	√	
Sheep & Goat Rearing	Jagalur Tq, Asgodu cluster	• Lower body weight gain in small ruminants due to under nutrition & worms infestation, Mortality due to disease incidences, Delayed puberty.	Balanced feeding as per NRC specifications and total deworming		√	√	√	
Organic Farming	Channagiri Tq Devarahalli Cluster	• Fodder scarcity during summers due to non-availability of water for fodder production	Hydroponic super fodder production.		√	√	√	
Fisheries	Davanagere	• Low yield	Improved carp varieties.	√	√	√	√	

7. Details of technological interventions

B. Technology Assessment

7.A.1. Crops

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8		9	10			
1	**Assessment of crop management strategies in drumstick for higher yield**	INM	Vegetable	Drumstick, *Moringa oleifera*	Bhagya	Irrigated	• Improper nutrient management • Flower and fruit dropping	3	5	**Particular**	**Quantity /trial**	**Cost per trial**	**Total cost**
										Micronutrient mixture	500 ml	400.00	2000.00
										NAA	100 ml	200.00	1000.00
										Total			**3000.00**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
1	**Assessment of crop management strategies in drumstick for higher yield**	4	1	-	-	Soil application of 100 g 15:15:15/plant along with FYM + Remaining ICM practices	Soil test based application of 54:134:32 $N:P_2O_5:K_2O$ / plant along with FYM +Remaining ICM practices	UHS, Bagalkot

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option 2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
1	**Assessment of crop management strategies in drumstick for higher yield**	Soil test based fertilizer application of 45:15:30 g of $N:P_2O_5:K_2O$/plant along with FYM + 0.4% Micronutrient mixture + 20ppm NAA (2 spays at flower initiation and 10 days after first spray) +Remaining ICM practices	TNAU, Coimbatore	-	-	-	-	-	-

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
1	**Assessment of crop management strategies in drumstick for higher yield**	Yield	q/ha	Number of pods per plant	No.	Pod length	cm

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)
1	2	3	4	5	6	7	8		9	10
2	**Assessment of Onion Varieties for Rabi Season**	Integrated crop Management	Horticulture	Onion	• Arka Nikethan • Bhima Shakti • NHRDF Red 3	Irrigated	Lack of suitable varieties for Rabi season	0.6	03	0.5 kg of each variety 13500-00

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
2	**Assessment of Onion Varieties for Rabi Season**	2	1			Bellary red	Arka Nikethan	IIHR, Bengaluru

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
2	**Assessment of Onion Varieties for Rabi Season**	Bhima Shakthi	DOGR, Pune	NHRDF Red 3(L-652)	NHRDF, Nasik				

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
2	**Assessment of Onion Varieties for Rabi Season**	Bulb Yield	q/ha	Plant height	cm	Number of leaves	No.

7.A.2. Livestock

S. No.	Title	Thematic Area	Livestock Category	Livestock Name	Unit Size (Nos)	Problem Definition	No. of Trials	Critical Inputs Provided & Total Amount (DBT)
1	2	3	4	5	6	7	8	9
1	**Effect of feeding urea-treated dry fodders along with grain mixture for better performance in Dairy Animals.**	Nutrition Management	Cattle	Crossbred Dairy Cattle	3 milch cows	Generally dairy animals are fed with poor quality dry roughages along with a few feed ingredients. These fodders when fed to high yielding dairy animals would not support production and health due to deficiency of Protein, energy & minerals. Poor quality dry roughages when enriched with urea and fed along with Grain mixture (starch) improving the digestibility of dry roughages and supplied the crude protein & Energy(TDN) required by the animal.	5	**Recommended Practice**. ASMM -5 kg : Rs. 600.00 Dewormer : Rs. 120.00 Vit-MinTonic:Rs. 500.00 1220.00 **Alternate Practice** ASMM -5 kg : Rs. 600.00 Dewormer : Rs. 120.00 Vit-MinTonic:Rs.500.00 Rs.1220.00

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology (Recommended Practice)	Tech. Option3 (Alternate Practice)	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	10	11	12	13	14	15	16	17
1	**Effect of feeding urea-treated dry fodders along with grain mixture for better performance in Dairy Animals.**	Feeding dairy animals with low quality dry roughages and non-leguminous green fodders along with cake & bran items.	Farmers Practice	Feeding dairy animals with urea-treated dry roughages, green fodders and compounded animal feeds as per the NRC specifications	KVA &FSU,Bidar	Feeding dairy animals with urea-treated dry roughages, green fodders and compounded animal feeds as per the NRC specifications. PLUS using 1-2 kg grain mixture at the time of feeding urea-treated dry roughages	NDRI (Karnal, Hariyana)	-	-

SN	Title	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	18	19	20	21	22	23
	Effect of feeding urea-treated dry fodders along with grain mixture for better performance in Dairy Animals.	Milk Yield	liters	Specific Gravity of Milk	CLR	Cost of milk production	Rs./ liters

S. No.	Title	Thematic Area	Livestock Category	Livestock Name	Unit Size (Nos)	Problem Definition	No. of Trials	Critical Inputs Provided & Total Amount (DBT)
1	2	3	4	5	6	7	8	9
2	**Growth Assessment of improved fish varieties in polyculture system**	Evaluation of Breeds	Fisheries	Carp	02	• Tank fish culture productivity is < 600 kg/ha. • External feeding is not practical • Existing varieties – stagnation of body weight gain 500 g/year on average. • Availability of right kind of fish finger lings	02	**Fish fingerlings** Jayanthi Rohu – 800 No. x 1 = 800/- Amur common carp – 800 No. x 1 = 800/- Tilapia – 400 No. x 3 = 1200/- VM mix – 5 kg x 150 = 750/- **Total 3550/-** **Grand total – 3550 x 2 = 7100/-**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
2	**Growth Assessment of improved fish varieties in polyculture system**	02	0	0	0	Common carp, Rohu, Catla	Amur Common carp	KVAFSU, FRIC, Bengaluru

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	17	18	19	20	21	22	23	24
2	**Growth Assessment of improved fish varieties in polyculture system**	Jayanthi Rohu, (*Labeo rohita)*	CIFA Bengaluru	Tilapia *(Oreochromis niloticus*	IFU, Mudigere	--	--	--	--

SN	Title	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	25	26	27	28	29	30
2	**Growth Assessment of improved fish varieties in polyculture system**	Yield	t/ha	Average Body weight of fish	g	--	--

7.A.3. Enterprise

S. No.	Title	Thematic Area	Enterprise Name	Variety / Species Name	Unit Size (Nos)	Problem Definition	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8	9			
1	**Evaluation of performance of different compost cultures to decompose arecanut husk**	INM	Compost production	-	5	• Improper disposal of arecanut husk • High lignin content • Lack of awareness on composting methods • Non availability of suitable microbial consortium	5	**Particular**	**Quantity/ trial**	**Cost per trial**	**Total cost**
								Compost culture	3 kg	300.00	1500.00
								Compost decomposer	200 ml	100.00	500.00
								Total			**2000.00**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
1	**Evaluation of performance of different compost cultures to decompose arecanut husk**	3	2	-	-	Dispose of arecanut husk in road sides	Composting the arecanut husk in a proper way by using UAS, Dharwad compost culture @ 2kg/t	UAS, Dharwad

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	17	18	19	20	21	22	23	24
1	**Evaluation of performance of different compost cultures to decompose arecanut husk**	Composting the arecanut husk in a proper way by using decomposer compost culture @ 100 ml/t	NCOF, Newdelhi	-	-	-	-	-	-

SN	Title	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	25	26	27	28	29	30
1	**Evaluation of performance of different compost cultures to decompose arecanut husk**	Numbers of days to compost	No.	C:N ratio	-	-	-

7.A.4. Farm Implement

S. No.	Title	Thematic Area	Farm Implement Name	Unit Size (Nos)	Problem Definition	No. of Trials	Critical Inputs Provided & Total Amount (DBT)
1	2	3	4	5	6	7	8

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology RP
		Others	SC/ST	Others	SC/ST			
1	2	9	10	11	12	13	14	15

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	16	17	18	19	20	21	22	23

SN	Title	Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	24	25	26	27	28	29

7.B Frontline Demonstrations

7.B.1. Crops

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
1.	**Integrated crop Management practices in Maize +Redgram**	ICM	Cereals and pulses	Maize +Redgram	Redgram: BRG-5	Rainfed	25	10	Kharif	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ ST	Others	SC/ ST			
1	2	10	11	12	13	14	15	16
1.	**Integrated crop Management practices in Maize +Redgram**	10	06	05	04	Maize sole crop	**Intercropping of Pulses in Maize + Redgram** Seeds- BRG-5-3kg Consortium (N fixing , P &Zn Solubulising and PGPR)-1kg- Pulse Magic -2kg Pheromone traps and Lures for Army worm (maize) and Pod borer(Redgram)-**Rs.150**	UAHS, Shivamogga and UAS, Bangalore

SN	Title	Critical Inputs Provided & Total Amount (DBT)		Primary Parameter (Yield)	Unit (Q/ha)	Secondary Parameter1	Unit1	Secondary Parameter2	Unit2
1	2	17		18	19	20	21	22	23
1.	**Integrated crop Management practices in Maize +Redgram**	**Critical Inputs**	**Amount (Rs.)**	Yield (Maize + Redgram) MEY Maize Equivalent Yield	q/ha	Plant Height at harvest (Maize and Redgram)	cm	Rows/cob (Maize) No of pods/plant (Redgram)	Number
		Seeds- BRG-5-3kg	300						
		Consortium (N fixing , P &Zn Solubulising and PGPR)-1kg	150						
		Pulse Magic -2kg-	500						
		Pheromone traps and Lures for Army worm (maize) –	300						
		Pod borer(Redgram)-	150						
		Cost per Demo	1400						
		Total Cost	**35,000**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
2	**Integrated crop Management in Direct Dry Seeded Rice**	Water management	Cereals	Rice	Bpt-Sona	Rainfed with Protective irrigation	05	2	Kharif	Rice

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ ST	Others	SC/ ST			
1	2	10	11	12	13	14	15	16
2	**Integrated crop Management in Direct Dry Seeded Rice**	05	-	-	-	Transplanted Rice (Traditional method)	**Direct dry seeded Rice Seed** Seeds -**12kg- Rs.600** Seed treatment with Bio fertilizers –(Azo,PSB)-**1kg** Hiring charges of Seed cum fertilizer drill- Micro Nutrient application (Zn and Fe) **Pre –Emergent Weedicide** (2-3 DAS)- Pendimethilin 30EC **0.5l** **Post –Emergent Weedicide** Bispyriback Sodium 100 SC –(Grasses and Sedges) 100ml + Metsulfuron 20 WP 8g (Broad leaf) 15-20 DAS or Rs. Cyhalofop-butyl+penoxulam -1Litre (grasses) **Plant protection Measure:** Installation of pheromone traps 4no./acre (lures) against army worm	UAS(Raichur) CIMMYT, Hyderabad

SN	Title	Critical Inputs Provided & Total Amount (DBT)		Primary Parameter (Yield)	Unit Q/ha	Secondary Parameter1	Unit1	Secondary Parameter2	Unit2
1	2	17		18	19	20	21	22	23
2	**Integrated crop Management in Direct Dry Seeded Rice**	**Critical inputs**	**Amount (Rs)**	Yield	q/ha	No. of productive tillers/hill	Number	Test weight (1000 grains)	g
		Seeds -**12kg-**	**600**						
		Seed treatment with Bio fertilizers –(Azospirillum ,PSB)-**1kg-**	**100**						
		Hiring charges of Seed cum fertilizer drill	**1500**						
		Micro Nutrient application (Zn and Fe)-	**250**						
		Pre –Emergent Weedicide (2-3 DAS)- Pendimethilin 30EC **0.5l –**	**200**						
		Post –Emergent Weedicide Bispyriback Sodium 100 SC – (Grasses and Sedges) 100ml + Metsulfuron 20 WP 8g (Broad leaf) 15-20 DAS or Rs. Cyhalofop-butyl+penoxulam - 1Litre (grasses)	**500**						
		Plant protection Measure: Installation of pheromone traps 4no./acre (lures) against army worm	**300**						
		Cost per Demo	**3,450**						
		Total Cost	**17,250**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
3	**Integrated Crop management practices in HYV drought tolerant Finger Millet**	ICM	Millets	Finger Millet	ML-365	Rainfed	25	10	Late kharif	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
3	**Integrated Crop management practices in HYV drought tolerant Finger Millet**	13	05	05	02	Use of GPU-28 variety, No seed treatment with Bio fertilizers, Imbalance fertilizers application	ML-365 Ragi variety (110-115 days) Seed treatment/soil application with FYM & bio-fertilizers (*Azospirillum* sp., PSB & VAM) Use of water soluble fertilizers (at tillering stage (KNO_3 @ 1%) Spraying of Micronutrient ($ZnSO_4$ and Ferrous Sulphate	UAHS, Shivamogga and UAS, Bangalore

SN	Title	Critical Inputs Provided & Total Amount (DBT)		Primary Parameter (Yield)	Unit (Q/ha)	Secondary Parameter1	Unit1	Secondary Parameter2	Unit2
1	2	17		18	19	20	21	22	23
3.	**ICM practices in HYV drought tolerant Finger Millet**	**Critical inputs**	**Amount (Rs)**	Yield	q/ha	Plant Height at harvest	Cm	No. of finger/ear and straw yield	No. t/ha
		ML-365 Ragi variety (110-115 days)	**300**						
		Seed treatment/soil application with FYM & bio-fertilizers (*Azospirillum* sp., PSB & VAM)	**100**						
		Use of water soluble fertilizers (at tillering stage (KNO_3 @ 1%)	**150**						
		Spraying of Micronutrient ($ZnSO_4$ and Ferrous Sulphate	**250**						
		Cost per Demo	**800**						
		Total Cost	**20,000**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
4	**Integrated crop management in sorghum**	ICM	Millets	Sorghum, *Sorghum 29hloride*	SPV-2217	Rainfed	10	4	rabi	Onion

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ ST	Others	SC/ ST			
1	2	10	11	12	13	14	15	16
4	**Integrated crop management in sorghum**	5	3	1	1	• Imbalanced nutrient management • No soil testing • Use of local varieties • No seed hardening • No intercropping	• Variety SPV-2217 • Soil test based fertilizer application • Seed treatment with calcium chloride @ 2% to induce drought tolerance (Over night soaking) • Seed treatment with *Azotobactor*, PSB @ 200g/ac • Safflower as intercrop • Spraying of 19:19:19 @ 5 g/l and micronutrient solution @ 3-4 ml/l at 30DAS • Spraying of Chlorpyrifos 20EC- @ 2ml/l to manage stem borer • Spraying of Hexaconazole @ 1ml/l to manage rust • Weed and water management	UAS, Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)						Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17						18	19	20	21	22	23
4	**Integrated crop management in sorghum**	**Particular**	**Quantuty /dem**	**Price (Rs.)**	**Cost/ demo (Rs.)**	**No. of demo**	**Total cost (Rs.)**	Yield	q/ha	Plant height	cm	Head size	cm
		Seeds SPV-2217	3 kg	50.00	150.00	10	1500.00						
		Safflower seeds (A-2)	1 kg	120.00	120.00	10	1200.00						
		Calcium chloride	100 g	200.00	200.00	10	2000.00						
		Biofertilizers,	3 kg	100.00	300.00	10	3000.00						
		19:19:19 (Water soluble)	2 kg	100.00	200.00	10	2000.00						
		Micronutrient solution	500 ml	400.00	400.00	10	4000.00						
		Safety kit	1	250.00	250.00	10	2500.00						
		Total			**1620.00**	**10**	**16200.00**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
7	**Integrated crop management in tomato**	ICM	Vegetables	**Tomato** *Solanum lycopersicum*	Private hybrid, Shivam	Irrigated	10	4	Rabi	Onion

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
7	**Integrated crop management in tomato**	5	2	2	1	• Imbalanced nutrient management • No use of trap crops Heavy pesticides application	• Soil test based nutrient application • Use of Marigold as a trap crop (16:1) • Application of Arka Microbial Consortium (20 g for seed treatment, 20g/l – drenching 10 DAT, 5kg- Main field along with vermicompost) • Spray of vegetable special @ 5g/l • Spray of calcium nitrate @5g/l • Use of yellow and blue sticky traps @ 25/ha • Use of pheromone traps @ 10/ha • Need based plant protection measures	IIHR

SN	Title	Critical Inputs Provided & Total Amount (DBT)						Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17						18	19	20	21	22	23
7	**Integrated crop management in tomato**	**Particular**	**Quantuty /dem**	**Price (Rs.)**	**Cost/ demo (Rs.)**	**No. of demo**	**Total cost (Rs.)**	Yield	q/ha	Fruits per plant	No.	-	-
		Arka Microbial Consortium	7 kg	250.00	1750.00	10	17500.00						
		Vegetable special	4 kg	200.00	800.0	10	8000.00						
		Calcium nitrate	2 kg	200.00	400.00	10	4000.00						
		Yellow sticky and blue sticky traps	20	40.00	800.00	10	8000.00						
		Pheromone traps -4 and Lures	8	35.00	280.00	10	2800.00						
		Safety kit	1	250.00	250.00	10	2500.00						
		Total			4,280.00		**42,800.00**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
8	**Integrated Crop Management in Cashew**	Integrated crop Management	Horticulture crops	Cashew	Vengrula-5	Rainfed	10	4.0	Kharif	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
8	**Integrated Crop Management in Cashew**	06	02	02		Sole crop of Maize in rainfed areas	Introduction of Cashew as Dry land Horticulture crop	UHS, Bagalkot

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17	18	19	20	21	22	23
8	**Integrated Crop Management in Cashew**	Cashew grafts 37800-00	Height of plants	cm	Number of leaves	Number	Crop equivalent yield	q/ha

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
9	**Integrated crop Management in Onion**	Integrated crop Management	Horticulture crops	Onion	Bhima Super	Irrigated	05	1.0	Kharif	Jowar

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
9	**Integrated crop Management in Onion**	4	1			• Bellary Red variety • No seed treatment	Bhima super variety for Higher yield	AICRP on Onion and Garlic, RC, Hiriyur

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17	18	19	20	21	22	23
9	**Integrated crop Management in Onion**	Bhima Super seeds 20000-00	Bulb Yield	q/ha	Germination	%	Bulb weight	g

7.B.2. Livestock

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
1	**Integrated management of Dairy Animals**	Nutrition management	Cattle and Buffalo	Crossbred cows & Buffaloes	1 Animal	10

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	8	9	10	11	12	13	14
1	**Integrated management of Dairy Animals**	5	2	2	1	Feeding animals with one or two feed ingredients, kitchen wet waste along with roughages both green & dry	Feeding animals with Urea-treated dry roughages, green roughages and compounded feeds as per NRC feeding standards	KVAFSU, Bidar

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	15	16	17	18	19	20	21
1	**Integrated management of Dairy Animals**	Deworming Agent (3 g x 10) : 600 Trace mineral Mix (5 kg x 10) : 5000 Dry fodder Enrichment Kit : 6300 Silage making Kit :15000 **Total Rs.26900**	Milk yield	Litres	Specific Gravity of Milk	CLR	AI / Ais animal take for Conception	Numbers

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
2	2	3	4	5	6	7
2	**Balanced feeding and Total deworming in Small Ruminants.**	Nutrition management	Small Ruminants	Sheep & Goat	10 Animals Group (1 unit)	5

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
2	2	8	9	10	11	12	13	14
2	**Balanced feeding and Total deworming in Small Ruminants.**	3	1	-	1	Grazing 6-8 hrs per day and feeding maize grains in the evenings.	Grazing animals' 6-8 hrs per day and Feeding animals with compounded feeds as per NRC specifications.	KVAFSU, Bidar

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter	Primary Parameter Unit	Secondary Parameter 1	Secondary Parameter Unit1	Secondary Parameter 2	Secondary Parameter Unit2
2	2	15	16	17	18	19	21	22
2	**Balanced feeding and Total deworming in Small Ruminants.**	Deworming Agent (150 mg x 50) : 500 Special MM (5 kg x 5) : 3000 Liver Tonic (5 l x 5) : 2800 **Total Rs.6300**	Body weight gain (Monthly)	Kg	Disease incidence	Per cent	Cost of Meat Production	Rs./ Kilo

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
3	2	3	4	5	6	7
3	**Integrated Management of Crossbred female calves**	Nutrition management	Cattle & Buffalo	Crossbred Female calves	1 calf	10

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
3	2	8	9	10	11	12	13	14
3	**Integrated Management of Crossbred female calves**	5	2	2	1	Feeding 2 litres of milk daily	Feeding milk and milk replacers based on body weight along with compounded feeds (Calf Starter) as per NRC specifications.	KVAFSU, Bidar

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter 2	Secondary Parameter Unit2
3	2	15	16	17	18	19	20	21
3	**Integrated Management of Crossbred female calves**	Deworming Agent (600 mg x 20) : 500 AS MM (5 kg x 10) : 6000 Milk Replacer (20 kg) : 2000 Calf Starter (50 kg x 10) : 12000 **Total Rs.20500**	Body weight gain (Monthly)	Kg	Disease incidence	Per cent	Age of Puberty	No of Days

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
4	**Rearing of carp fry in Jumbo Hapas as an entrepreneurship for better profitability**	Production and Management	Fisheries	Fish	02	02

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	8	9	10	11	12	13	14
4	**Rearing of carp fry in Jumbo Hapas as an entrepreneurship for better profitability**	02	--	--	--	Stocking of smaller size fish fry	Stocking of bigger size fingerlings	UAHS, Shivamogaa

SN	Title	Critical Inputs Provided & Total Amount (DBT)						Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17						18	19	20	21	22	23
4	**Rearing of carp fry in Jumbo Hapas as an entrepreneurship for better profitability**	**Name**	**Quantity/ Demo**	**Cost (Rs.)/ unit**	**Cost (Rs./ Demo)**	**No. of Demo**	**Total**	Yield	No./m^2	Survival rate	%		
		Fish fry	20000	Rs. 300/1000 No. of fingerlings	6000/-	02	12000/-						
		Jumbo Hapa	2	@ Rs. 4000/ hapa	8000/-		16000/-						
					14000/-	02	28000/-						

NFSM-Cluster Front Line Demonstration:

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
1	**Integrated Crop management practices in HYV Bengalgram**	ICM	Pulse	Bengal gram	JAKI 9218	Rainfed	25	10	rabi	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ ST			
1	2	10	11	12	13	14	15	16
1	**Integrated Crop management practices in HYV Bengalgram**	15	05	05	05	Use of JG-11/A-1 No seed treatment with bio fertilizers Improper nutrient management No IPM measures	Use of JAKI 9218 seeds 62.5 kg /ha **Seed treatment** Bio fertilisers- Rhizobium. 500g/ha Use of biofungicide trichoderma-2kg/ha Spray with Chick pea magic @ 5kg/ha (10g / l) **PP measures** Installation of phermone traps @ 10 No/ha (20 lures) Spray with profenophos @ 2ml /l – 1.25 l/ha Ha NPV -12 LE/ha	UAHS, Shivamogga and UAS, Bangalore UAS, Raichur

SN	Title	Critical Inputs Provided & Total Amount (DBT)		Primary Parameter (Yield)	Unit (Q/ha)	Secondary Parameter 1	Unit 1	Secondary Parameter 2	Unit 2
1	2	17		18	19	20	21	22	23
1	**Integrated Crop management practices in HYV Bengalgram**	**Critical Inputs**	**Amount (Rs)**	Yield	q/ha	Plant height	cm	No of Pods / plant	No.
		JAKI 9218 seeds 62.5 kg /ha	5625-00						
		Bio fertilisers- Rhizobium. 500g/ha	400-00						
		Use of biofungicide trichoderma-2kg/ha	200-00						
		Spray with Chick pea magic @ 5kg/ha (10g / l)	1250-00						
		Phermone traps @ 10 No/ha (20 lures)	600-00						
		Spray with profenophos @ 2ml /l – 1.25 l/ha	400-00						
		Ha NPV -12 LE/ha	350-00						
		Cost per Demo	**8,625-00**						
		Total Cost	**86,250-00**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
2	**Integrated crop management in cowpea**	ICM	Pulses	**Cowpea** *Vigna unguiculata*	DC-15	Irrigated	25	10	Summer	Paddy

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ ST	Others	SC/ ST			
1	2	10	11	12	13	14	15	16
2	**Integrated crop management in cowpea**	15	5	3	2	• No soil testing • Use of local varieties • No use of biofertilizers • No use of water soluble fertilizers	• Soil test based nutrient application • Use of DC-15 seeds: 25kg / ha • Seed hardening with $CaCl_2$ • Bio fertilisers- Rhizobium., PSB &VAM (2kg each/ha) • Spray with pulse Magic @ 5kg/ha (10g/liter) • Spray with imidachloprid @ 0.3ml/l -200 ml/ ha. • Spray with hexaconazole @ 1ml/l- 500ml/ha • Use of yellow sticky traps @ 25/ha	IIHR

SN	Title	Critical Inputs Provided & Total Amount (DBT)						Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17						18	19	20	21	22	23
2	**Integrated crop management in cowpea**	**Particular**	**Quantuty /dem**	**Price (Rs.)**	**Cost/ demo (Rs.)**	**No. of demo**	**Total cost (Rs.)**	Yield	q/ha	Fruits per plant	No.	-	-
		Seeds C-152 (10 kg)	10 kg	100.00	1000.00	25	25,000.00						
		Calcium 41hloride - 100 g	100 g	150.00	150.00	25	3,750.00						
		Biofertilizers	3 kg	100.00	300.00	25	7,500.00						
		Pulse magic	2 kg	250.00	500.00	25	12,500.00						
		Imidachloprid 18 SL	200 ml	150.00	300.00	25	7,500.00						
		Hexaconazole	500ml	300.00	300.00	25	7,500.00						
		Safety kit	1	250.00	250.00	25	6,250.00						
		Total			**2800.00**	**25**	**70,000.00**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
3	**NFSM –CFLD-Integrated crop management in Red gram**	ICM	Pulses	Red gram	BRG-5	Rain fed	25	10	Kharif	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ ST	Others	SC/ ST			
1	2	10	11	12	13	14	15	16
3	**Integrated crop management in Red gram**	15	5	3	2	• No soil testing • Use of local varieties • No use of biofertilizers • No practice of nipping. • No micro nutrient application	• Use of BRG-5 medium duration wilt resistant variety • Use of *Rhizobium*, PSB 2.5 kg/ha and Trichoderma @ 5kg/ha • Spray with pulse magic (UAS, Raichur) 10g/l @ 5kg/ha • Installation of pheromone traps @ 8no. / ha(16 lures) • Spray with profenophos @ 2ml/l- ovicidal- 1 l/ha • Spray with neem based insecticide @3ml/l – 1l /ha • Spray with indaxicarb @0.5ml/l -200 ml / ha	UAS-B

SN	Title	Critical Inputs Provided & Total Amount (DBT)						Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter 1	Secondary Parameter Unit1	Secondary Parameter 2	Secondary Parameter Unit2
1	2	17						18	19	20	21	22	23
3	**Integrated crop management in Red gram**	**Particular**	**Quantuty /dem**	**Price (Rs.)**	**Cost/demo (Rs.)**	**No. of demo**	**Total cost (Rs.)**	Yield	q/ha	Plant height	cm	No. pods per plant	No
		Seeds	6 kg	160.00	960.00	25	24000.00						
		PSB	1 kg	100.00	100.00	25	2500.00						
		Trichoderma	2 kg	100.00	200.00	25	5000.00						
		Pulse magic	2 kg	250.00	500.00	25	12,500.00						
		pheromone traps	3	50.00	150.00	25	3750.00						
		profenophos	500ml	300.00	300.00	25	7,500.00						
		Neem based insecticide	500 ml	400.00	400.00	25	10000.00						
		Indaxicorb	80 ml	200.00	200.00	25	5000.00						
		Safety kit	1	250.00	250.00	25	6,250.00						
		Total			**2800.00**	**25**	**99,000.00**						

7.B.3. Enterprise

SN	Title	Thematic Area	Livestock Category	Livestock Name	Variety / Species	No. of units	No of Demos
1	2	3	4	5	6	7	8

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	9	10	11	12	13	14	15

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17	18	19	20	21	22	23

7.B.4. Farm Implement

SN	Title	Thematic Area	Farm Implement Name	Cost of Implement	Area (ha)	Season	Labour Required (Check)	Labor Required (demo)	% save	Time saved to cover/ha (hrs)	No. of demos
1	2	3	4	5	6	7	8	9	10	11	12

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	13	14	15	16	17	18	19

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17	18	19	20	21	22	23

C. Trainings

SN	Training Category (OFT/ LD/Oth)	Training Type (Regular/ Vocational/ Sponsored/ Rural Youth/ Extension)	Training location (On/ Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	FLD- Maize +Redgram	Regular	Off	General and Youth	01	Improved production technology in intercropping system – Seed treatment with Bio fertilizers	ICM
2	FLD- Maize +Redgram	Regular	Off	General and Youth	01	Integrated pest and disease management (Pheromone traps)	ICM
3	FLD-Rice	Regular	Off	General youth	01	Seed treatment with Bio fertilizers and Sowing with seed cum fertilizer drill	ICM
4	FLD-Rice	Regular	Off	General and Rural youth	01	Integrated weed and nutrient management	IWM and INM
5.	FLD –Rice	Regular	Off	General and Rural youth	01	Integrated pest and disease management	IPDM
6.	FLD- Finger millet	Regular	Off	General and Youth	01	Integrated Crop management in Finger millet	ICM
7.	FLD- Finger millet	Regular	Off	General and Youth	01	Importance of the Minor and major nutrients sprays in improving the yield	ICM
8.	FLD-Bengal gram	Regular	Off	General	01	Improved production technology in HYV	ICM
9	FLD-Bengal gram	Regular	Off	General	01	INM and IPM for higher production and productivity	ICM
10	Others	Extension	Off	Extension (Bi monthly)	01	Doubling the income through improved production technology in cereals	ICM
11	Others	Extension	Off	Extension (Bi monthly)	01	Improved production technology in Direct seed rice for Input dealers of tail enders	ICM

12	Others	Sponsored	On	General and youth	01	Importance of soil and moisture conservation	ICM
13	FLD	Regular	Off	General	01	Integrated nutrient management in sorghum	INM
14	FLD	Regular	Off	General	01	Integrated crop management in tomato	ICM
15	OFT	Regular	Off	General	01	Production technologies to get higher yield in drumstick	ICM
16	Other	Extension	On	Extension	01	Soil health management	INM
17	OFT	Regular	On	Farmers	01	Suitable varieties for Rabi season in Onion	ICM
18	FLD	Regular	On	Farmers	01	Dry land Horticulture	ICM
19	FLD	Regular	On	Farmers	01	ICM in Onion	ICM
20	Others	Regular	OFF	Farmers	01	ICM in Arecanut	ICM
21	Others	Regular	OFF	Farmers	01	ICM in Coconut	ICM
22	Others	Sponsored	ON	Urban Families	01	Terrace and Kitchen Gardening	Nutritional security
23	FLD	Regular	Off	General	one	Integrated crop management in cowpea	ICM
24	Others	Regular	On	Students	05	Orientation for Agriculture entrance	
25	OFT	Regular	On	General	1	Effect of feeding urea treated dry roughages in dairy cattle	Nutrition management
26	FLD	Regular	On		1	Integrated management of Dairy Animals for better performance.	Nutrition management
27	FLD	Regular	On	General	1	Balanced Nutrition and Total deworming in small ruminants for better performance.	Nutrition management
28	FLD	Regular	On	General Rural Youth	1	Integrated management of crossbred female calves	Nutrition & disease management
29	FLD	Regular	On	General Rural Youth	1	Production of Hydroponic fodders to alleviate the green fodder scarcity during summers	Nutrition management

30	FLD	Regular	On	Extension personnel	1	Advanced Technologies in Animal Husbandry practices	Nutrition & disease management
31	Others	Sponsored	On	General/rural Youth	6	Profitable Dairy farming	Nutrition & Disease management
32	OFT	Regular	On	General	1	Management of polyculture ponds	Composite fish culture
33	FLD	Regular	On	General	1	Rearing of fish fry in hapas	Carp fry & fingerling rearing
34	FLD	Regular	On	Farmers	1	ICM in Redgarm	ICM

.....Continued

SN	Sub Thematic Area	Skill is to impart? (Y/N)	Source of Fund(if sponsored)	Agency Name	Amount (Rs)	Others Male	Others Female	SC/ST Male	SC/ST Female
1	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
1	ICM	Yes				15	-	10	-
2	IPDM	Yes				25	-	10	-
3.	INM	Yes	-	-	-	20	10	05	-
4.	IWM	Yes	-	-	-	25	-	10	-
5	IPM	Yes	-	-	-	25	-	10	-
6	INM	Yes	-	-	-	18	10	10	5
7	INM	Yes	-	-	-	18	8	15	5
8	INM,IPDM and IWM	Yes	-	--	-	15	05	05	05
9.	ICM	Yes	-	-	-	15	05	05	05
10.	ICM	Yes	-	-	-	40	15	10	05
11.	ICM	Yes				40	15	10	05
12.	IWM	Yes	10,000	Sujala 3	-	15	05	20	10
13	**INM**	**Yes**	**-**	**-**	**-**	**15**	**5**	**7**	**3**
14	**INM**	**Yes**	**-**	**-**	**-**	**15**	**5**	**7**	**3**
15	**INM**	**Yes**	**-**	**-**	**-**	**10**	**2**	**6**	**2**
16	**INM**	**Yes**	**-**	**-**	**-**	**12**	**5**	**5**	**3**
17	Varietal Introduction	Yes	ICAR			20		10	

18	Introduction of New crop	Yes	ICAR			20		10	
19	Varietal Introduction	Yes	ICAR			20		10	
20	Pest and Disease Management	Yes	ICAR			20		10	
21	Pest and Disease Management	Yes	ICAR			20		10	
22	Dry land Horticulture	Yes	Comprehensive Horticulture Development	Department of Horticulture	50000-00	20	20	20	20
23	INM	Yes	-	-	-	20	10	7	3
24		Yes	ICAR			200	200	50	50
25	Use of Non-protein nitrogen substances in animal feeding	yes	KVK	-	2000-00	12	4	2	2
26	Mineral Nutrition	yes	KVK	-	2000-00	12	4	2	2
27	Total deworming	yes	KVK	-	2000-00	12	4	2	2
28	Importance of feeding colostrums & milk during early stage of growth	yes	KVK	-	2000-00	5	10	2	3
29	Soilless media for fodder production	yes	KVK	-	2000-00	12	4	2	2
30	Feeding livestock based on TMR concept	yes	KVK	-	2000-00	19	2	2	2
31	Doubling the farmers income	yes	Zilla Panchayat	Zilla Panchayat	40000-00	10	10	5	5
32	--	Yes	ICAR	--	--	10	0	5	3
33	--	Yes	ICAR	--	--	15	0	8	2
34	ICM	Yes	KVK	-	-	20	2	2	1

D. Extension programme

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Oficers
1.	Advisory over Phone			
2.	Advisory services	2200	2000	50
3.	Bi- and Tri-Monthly workshop	6+4		400+200
4.	Guest Lecture	150	7500	50
5.	Celebration of Day	10	2000	10

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Oficers
6.	Diagnostic visit	15	120	30
7.	Exhibition	3	-	-
8.	Exposure Visit	4	200	-
9.	Ex-trainees Samelan			
10.	Extension Literature			
11.	Farmers Science conveners meeting	1	25	-
12.	Farmer /Extension personnel visit to KVK			
13.	Farmers Seminar/ Workshop	6	300	10
14.	Field day	20	2500	250
15.	Film Show	8	400	-
16.	Formation of SHGs			
17.	Group Meeting	5	150	5
18.	Kisan Ghosti	3	300	15
19.	Kisan Mela	3	-	-
20.	Lecture delivered as resource person			
21.	Method demonstration	20	400	15
22.	Special Day Celebration	10	2000	
23.	News paper coverage	50	-	-
24.	Animal Health Camps	02	150	10
25.	Popular arterials	10	-	-
26.	Radio talk	6		
27.	Scientist visit to Farmers Field	125	750	100
28.	SHC campaign	6+3	600 Samples+ 300 animals	9
29.	SHG meeting /DDFA meetings (Trimonthly)	04	160	10
30.	Swaccha Bharat Campaign	10	1000	10
31.	Technology Week	1	1000	25
32.	Farmers Field School (FFS)	1	25	6
33.	Farm Innovators Meet	1	100	1
34.	Technical Reports			
35.	TV Talk	6		
36.	Kisan Mobile Advisory Services	70	11000	-

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Oficers
37.	Plant Health Clinic services	300	300 samples	10
38.	Other- Specify			
	Total			

8. Activities proposed

A. Mobile Advisory Services

Message Type	Crops	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Text	20	8	5	8	24	5	70
Voice	-	-	-	-	-	-	-
Total	20	8	5	8	24	5	70

B. Seed/ Quality Planting Material

Name of the Crop	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Seed (kg)	Planting Material (Nos)			
Velvet Beans	200	10,000	20,000	10,000	10,000
Sunhemp	600	-	34,000	15,000	15,000
Diancha	600	-	30,000	16,000	14,000
Drumstick		10000	100000-00	40000-00	60000-00
Arecanut		10000	250000-00	125000-00	125000-00
Coconut		2000	150000-00	60000-00	90000-00
MP Charry (multicut fodder)	100	-	8000	3000	5000

C. Bio Products

Name of the Bio Product	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			
Banana Special	2000		350000-00	175000-00	175000-00
Vermicompost & Earthworms	20000 kg and 50 kg		2,00,000	1,00,000	1,00,000
Compost culture	600	-	24,000/-	15,000/-	9,000/-

D. Home Care Production

Name of Home product	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			

E. Livestock

Name of Livestock	To be Produced (Nos) (Target)	Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
Dairy Cattle- milk production	10,000 litres of milk	3,40,000	2,80,000	60,000
Ornamental fishes	5000	20000/-	8000/-	12000/-

Farm Production

Name of Farm Produce	To be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			
Green manure production Sunhemp	12 q. seeds for two season		58,000-00	48,000-00	10,000-00
Seed production of Diancha seeds	12 q. of for two season		58,000-00	48,000-00	10,000-00
Velvet Beans seeds	2 q. of two season		20,000-00	14,000-00	6,000-00

F. Publication / Literature

Item Name	Title	Auther/s Name	No. of circulation
Book	Experiences of Israel Agriculture	Basavanagowda M G	1000
Folder	Dry land Horticulture	Basavanagowda M G	1000
Folder	Terrace and Kitchen Garden	Basavanagowda M G	1000
Folder/leaflet	Hydroponic fodder production	Dr. G.K. Jayadevappa, Dr. T.N.Devaraj Mr. Raghuraj J.	1000 copies
Total			**4000**

G. Electronic Media

Media Type	Title	No. circulation	Developed by
Video CD	Terrace gardening	01	Basavanagowda M G
Short Film	Azolla as animal feed supplement	5 copies	Dr. G.K. Jayadevappa, Dr. T.N.Devaraj and J.Raghuraj

H. SWTL Activities

Type	No. of samples to be analyzed	Names of the team members involved	Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
Soil	2000	Dr. Devaraja T.N.	200000.00	160000.00	40000.00
Water	1000	Mr. Sannagoudara H.M.	50000.00	40000.00	10000.00
Plant	-	Mr. Revanasiddappa G.B.P.	-		
Others	-		-		

No. of SHC to be distributed: *2,000 no's*

I. News letter

Name	To be issue	No. of Soft copies to be issue	No. of hard copies to be issue
Taralabalu Krishi Sinchana (Quarterly)	**4**	**-**	**-**

J. Technology Week

Proposed Date	No. of agencies to be linked	Qty. Seeds supply	Qty. Planting material supply	Qty. bio products supply
03-12-2018 To 07-12-2018	10 (Department of Agriculture, Horticulture, AH & VS, District Krishik Samgaja, ATMA, RCF Ltd., FPCs, IAT, Companies and Input agencies.	100 kg	500 No.s	50 kg

K. Proposed Projects

Project Name	Role of KVK	Duration	Project Outlay (Rs)	Additional Man Power to be planned
National Innovations on Climate Resilient Agriculture (NICRA)	Climate Resilient Technology Demonstration	On going since 2011	8,00,000	-
Bio-Energy Information and Demonstration Centre	Training and awareness programmes on biofuel production. Bio Seed procurement and production	On going since 2011	6,00,000-00	
Technical Handholding of FPCs	Exposure visit training and Demonstrations	1 year	9,29,250	-

L. Farmer's Field School planned (SMS, Agronomy)

Thematic area	Title of the FFS	Budget proposed in Rs.	No. of farmers
Integrated Crop management	Improved production technology to increase the productivity of Groundnut	**30,000-00**	25
	A. Critical Inputs	**Amount (Rs.)**	
	Seeds –G2 -52-50 kg seeds	**5,000-00**	
	Seed treatment with Bio fertilizers (Rhizobium and PSB)	100-00	
	And *Trichoderma viridae*	100-00	
	Application of Gypsum @200kg/acre	500-00	
	Plant protection chemicals	2500-00	
	B. Meals and Refreshment	**5,000-00**	
	C. FFS training kit	**9,000-00**	
	D. Field Day (Banners, Boards)	**4,000-00**	
	E. Folder	**5,000-00**	

M. E-linkage

SN	Nature of activities	
1	Is KVK has website (Y/N)	Yes
2	If NO, date of website to be develop & host	-
3	Name of the module assigned during Orientation Programme	Farm activities.
4	Plan, Progress and expected date of completion	Software development for farm activities. Yet to start January 2019

N. KVK instructional farm Activities

Sl. No.	Plot	Season	Area (ha)	Name of the crop	Expected Yield (kg)	Expected Expenditure (Rs)	Expected income (Rs)	Net returns (Rs)
1	1,2,9,10	Kharif	2 ha	Sunhemp, Seed production	12q	48,000/-	58,000/-	10,000/-
2	3,4,5,11,12	Kharif	2 ha	Diancha, Seed production	12 q	48,000/-	58,000/-	10,000/-
3	6,8	Kharif	1 ha	Velvet Beans	4 q	12,000/-	20,000/-	8,000/-
4	1,2,9,10	Rabi	2 ha	Diancha, Seed production	12 q	48,000/-	58,000/-	10,000/-
5	3,4,5,11,12	Rabi	2 ha	Sunhemp, Seed production	12 q	48,000/-	58,000/-	10,000/-

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

SN	Activities planned	Remarks if any
	Nil	

P. Plan of other activities

SN	Proposed activities	Expected expenditure (Rs)	Expected income (Rs)	Net Returns (Rs)	Name of the team members involved
1	State level seminar on organic Farming	1,50,000-00 (Proposal will be submitted to NABARD or KSCTA, Bengaluru	-	-	KVK team

Q. Innovative Farmer's Meet

Particulars	Details
Are you planning for conducing Farm Innovators meet in your district?	Yes
If Yes likely month of the meet	December 2018
Brief action plan in this regard	100 innovative farmers will be invited for 2 day conference to present their innovations. Proposal will be submitted to NIF-India, Ahamdabad.

10. Organic Farming

A. Technology Assessment related to organic farming

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)
1	2	3	4	5	6	7	8		9	10

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25

SN	Title	Primary Parameter(Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31

B. Frontline Demonstrations related to organic farming

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
1	Hydroponic super fodder production to meet the green fodder scarcity.	Nutrient Management Fodder	Maize	Local	Vertical Farming (Tray System)	5	60 cm x 30 cm trays x 8Nos	Rabi/summer	-	

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
	Hydroponic super fodder production to meet the green fodder scarcity.	4	-	1	-	Feeding dry fodders during summer	Feeding animals with Urea-treated dry roughages, green roughages (Hydroponic fodder) and compounded feeds as per NRC feeding standards	NIANP, Bengaluru

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter(Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17	18	19	20	21	22	23
	Hydroponic super fodder production to meet the green fodder scarcity.	Hydroponic fodder trays- 80 @ Rs.100 :8000	Fodder yield	Kilogram /Tray	Cost of fodder production	Rs per Kilo	Milk yield	litres

C. Trainings related to organic farming

SN	Training Category (OFT/ FLD/Oth)	Training Type (Regular/ Vocational/ Sponsored/ Rural Youth/ Extension)	Training location (On/Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
	OFT	Regular	Off	General	one	Production of quality organic manure	INM

SN	Sub Thematic Area	Skill is to impart? (Y/N)	Source of Fund(if sponsored)	Agency Name	Amount (Rs)	Others Male	Others Female	SC/ST Male	SC/ST Female
1	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
	INM	Yes	-	-	-	15	5	7	3

D. Extension programme related to organic farming

SN	**Extension programme**	**No. of Programme**	**No. of Farmers/ participants**	**No. of Extension Officers**
1	Advisory over Phone	30	25	5
2	Bi-Monthly meeting	-		
3	Celebration of Day	-		
4	Diagnostic visit	2	10	2
5	Exhibition	-		
6	Exposure Visit	-		
7	Ex-trainees Samelan	-		
8	Extension Literature	-		
9	Farmers Science conveners meeting			
10	Farmer /Extension personnel visit to KVK	20	20	
11	Farmers Seminar/ Workshop	1	50	5
12	Field day	2	100	5
13	Film Show	1	50	2
14	Formation of SHGs			

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
15	Group Meeting			
16	Kisan Ghosti			
17	Kisan Mela			
18	Lecture delivered as resource person	5	250	25
19	Method demonstration	3	30	3
20	News paper coverage	5		
21	No. of animals treated	-		
22	Popular arterials	1		
23	Radio talk	1		
24	Scientist visit to Farmers Field	5	25	5
25	SHC campaign	-		
26	SHG meeting	-		
27	Technical Reports	-		
28	TV Talk	1		
29	Other- Specify	-		
Total		77	560	52

E. Organic Certification is planned? No.

F. Any other activity related to Organic farming. Pl specify: 2 day organic farmers Seminar

- Establishment of Nutri gardens in IFS farmers field.

11. Swachh Barat Abiyan

Activity	Month	Details	No. of Participants/ Farmers
Awarness Programme	One Progamme/Month	Every month a awareness programme will be organized to farmers.	

12.Budget

A. Revolving Fund (Rs in Lakh)

Opening balance as on 01.04.2017	Expenditure incurred during 2017-18	Receipts during 2017-18	Closing balance as on 31.01.2018
8,44,986-07	36,62,348-00	30,00,309-00	1,82,947-07

B. Details of budget utilization (2017-18) upto 31 January 2018

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	1,27,00,000	94,62,204	89,30,098
2	**Traveling allowances**	1,50,000	1,11,630	37,419
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,00,000	2,23,260	2,14,663
B	POL, repair of vehicles, tractor and equipments	2,50,000	1,86,050	2,05,169
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,00,000	74,420	96,660
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50,000	37,210	49,198
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	4,63,000	3,44,565	3,26,720
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	46,000	34,233	29,594
	Extension Activities	50,000	37,210	47,714
G	Training of extension functionaries	25,000	18,605	11,107
H	IFS	50,000	37,210	
I	FFS	30,000	22,326	
J	EDP	30,000	22,326	8,863
K	Display Boards			
L	Maintenance of buildings	50,000	37,210	49,960
M	Establishment of Soil, Plant & Water Testing Laboratory	25,000	18,605	25,030
N	Library	5,000	3,721	5,000
TOTAL (A)		**1,43,24,000**	**1,06,70,785**	**1,00,37,195**

B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library**	10,000		
TOTAL (B)		**10,000**		
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**1,43,34,000**	**1,06,70,785**	**1,00,37,195**

C. Details of Budget Estimate (2018-19) based on proposed action plan

S. No.	Particulars	BE 2018-19 proposed
A. Recurring Contingencies		
1	**Pay & Allowances**	**1,65,10,000**
2	**Traveling allowances**	**2,00,000**
3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**4,00,000**
B	POL, repair of vehicles, tractor and equipments	**3,50,000**
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	**2,00,000**
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	**1,00,000**
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	**5,00,000**
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	**1,00,000**
	Extension Activities	**1,00,000**
G	Training of extension functionaries	**50,000**
H	IFS	**1,00,000**
I	FFS	**50,000**
J	EDP	**1,00,000**
K	Display Boards	**1,00,000**
L	Maintenance of buildings	**2,00,000**
M	Establishment of Soil, Plant & Water Testing Laboratory	**50,000**
N	Library	**10,000**

TOTAL (A)		**1,91,20,000**
B. Non-Recurring Contingencies		
1	**Works**	**3,93,80,000**
2	**Equipments including SWTL & Furniture**	**85,21,720**
3	**Vehicle** (Four wheeler/Two wheeler, please specify) Two Wheelers, 3 No.s	**2,40,000**
4	**Library** (Purchase of assets like books & journals)	**1,00,000**
TOTAL (B)		**4,82,41,720**
C. REVOLVING FUND		
GRAND TOTAL (A+B+C)		**6,73,61,720**

ABSTRACT OF INTERVENTION:

Technology Assessment:

No.	No. of Trials
5	18

Frontline Demonstration:

No.	No. of Demonstration
11	115

Trainings (Farmer/Farm Women/Rural Youth) :

	No.	No. of Participants
On Campus	13	593
Off Campus	15	414

Sponsored :

No.	No. of Participants
3	160

- **Sponsoring agencies: Zillapanchayath, Department of Horticulture.**

Extension personnel:

No.	No. of Participants
3	95

Others:

Category	Quantity
Seed	900 kg
Plating Materials	22000 No’s
Banana Special	2000 kg
Vermicompost	20000 kg
Earthworms	50 kg
Compost culture	600 kg.