ICAR-ATARI – ZONE XI, BENGALURU

PROFORMA FOR ACTION PLAN OF KVKS IN ZONE XI FOR THE YEAR 2018-19

1. General information about the KrishiVigyan Kendra

1.	Name and address of KVK with Phone, Fax and e-mail, Website	:	ICAR-KRISHI VIGYAN KENDRA, HIREHALLI, TUMAKURU DISTRICT. PIN CODE: 572168. PHONE: 08162243175 FAX: 08162243177 E-MAIL: kvk.tumakuru2@icar.gov.in, iihrkvk@gmail.com WEBSITE: www.iihrkvk.org
2.	Name and address of host organization	:	ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH Hessaraghatta Lake Post, Bengaluru - 560089 Phone:080-23086100 Fax:080-28466291 Email: director@iihr.res.in, diriihr@icar.org.in, iihrdirector@gmail.com Website: www.iihr.res.in
3.	Year of sanction	:	2009
4.	Name of agro-climatic zone	:	Central Dry Zone (Zone-IV), Eastern Dry Zone (Zone-V)
5.	Major farming systems/enterprises		Rain fed Agriculture/Horticulture and Dry land Horticulture
6.	Soil type	:	Red Sandy Loam, Red Loam, Shallow Black Soil
7.	Annual rainfall (mm)	:	584.4

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary	If vacant action plan for filling the post on permanent basis
1.	Senior Scientist and Head	Dr. N. Loganandhan	Agril. Extension	PB4 37400-67000	10000	02/08/2013	PERMANENT	
2.	Scientist	Shri. P. R. Ramesh	Soil Science	Level 11 6600 GP	6600	17/11/2009	PERMANENT	
3.	Scientist	Shri. K. N. Jagadish	Agril. Extension	Level 11 6600 GP	6600	17/11/2009	PERMANENT	
4.	Scientist	Shri. J. M. Prashanth	Horticulture	Level 11 6600 GP	6600	24/11/2009	PERMANENT	
5	Scientist	Dr. B. Hanumanthe Gowda	Plant Protection	Level 11 6600 GP	6600	02/12/2009	PERMANENT	
6	Scientist	Ms. Radha R. Banakar	Home Science	Level 11 6600 GP	6600	05/12/2009	PERMANENT	
7.	Scientist	VACANT	Animal Science	-	-		-	Intimated to ICAR
8	Programme Assistant	Shri. K. N. Shashidhara	Crop Physiology	Level 6 4200 GP	4200	17/10/2012	PERMANENT	
9	Computer Programmer	Shri. N. Jayasankar	Computer Applications	Level 10 5400 GP	5400	15/06/2017	PERMANENT	

10	Farm Manager	VACANT	-	-	-	-	-	Intimated to ICAR
11	Assistant	Shri. D. Krishnappa	Administration	Level 6 4200 GP	4200	02/05/2016	PERMANENT	
12	Stenographer	Smt. Veda Kurnalli	Stenographer	Level 4 2400 GP	2400	17/02/2010	PERMANENT	
13	Driver 1	Shri. M. H. Ningappa	Driver	Level 3 2000 GP	2000	30/12/2009	PERMANENT	
14	Driver 2	VACANT	-	-	-	-	-	Intimated to ICAR
15	Supporting staff 1	VACANT	-	-	-	-	-	-
16	Supporting staff 2	Smt. S. Gangamma	S S S	Level 4 2400 GP	2400	16/10/2015	PERMANENT	

3. Details of SAC meeting conducted during 2018-19

Sl. No	Tentative date of SAC meeting proposed during 2018-19
01	15th December 2018

4. Capacity Building of KVK Staff

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

S. No	Category	Area of training	Institution proposed to attend	Justification	Details of trainings attended during 2018-19
1.1	Senior Scientist and Head	Developing Business Plan for Farmers Producer Companies	NAARM, Hyderabad	To support FPOs in Developing Business Plan	Nil
1.2		Impact Assessment of Agricultural Research and Technologies	NAARM, Hyderabad	To assess the impact of technologies disseminated by KVK	Nil
2.	Scientist - Agri. Extn.	Extension Strategies for mainstreaming Women in Agriculture	MANAGE Hyderabad	Practical tools and Strategies for addressing gender responsive progarmmes	Annual School on Grassroots Innovations at NIAS, IISc Bengaluru
3.1	Scientist - Horticulture	Advanced technologies in Vegetable Seed Production	IIHR, Bengaluru	Commercial Vegetable Seed Production, Packing & Branding	Orientation programme on Sujala-3 capacity building at NSS LUP Bengaluru
3.2		Coconut Based Integrated Farming	MANAGE in collaboration with ICAR Central Plantation Crops Research Institute, Kasaragod, Kerala	To improve productivity of existing orchards in Tumakuru District	Skill Development progarmme as a Master Trainer at Hebbal, UAS Bengaluru

4.1	Scientist – Plant protecion	Nano technology and plant Disease Management	NCIPM	Nana molecules are important future tools in pest management . There is need to acquaint with these technologies.	Nil
4.2		Insecticide resistance management stratagies	NIPHM Hyderabad	Due to application of over dose of pesticides, Management stratagies are very important.	Nil
5.1	Scientist – Home Science	Advanced Food Processing Techniques in minor millets	CFTRI, Mysore	To upgrade the recent advances in millet processing technology	Nil
5.2		Food & Nutritional Security of the rural house holds	MANAGE, Hyderabad	To mitigate Malnutrition, Food & Nutrition insecurity in rural households	Nil
6	Scientist – Soil Science	Advanced method of Soil, Plant and Water Analysis	IARI, New Delhi	Recent method of Soil, Plant and Water Analysis	Nil
7	Programme Assistant	--	--	--	--
8	Computer Programmer	--	--	--	--
9	Farm Manager	--	--	--	--
10	Administrative	--	--	--	--

B. Cross-learning across KVKs

S. No	Name of the KVK proposed	Purpose	Mode of learning
1.	KVK, Ramanagara	Farm Management, Solar Panel	Demo Unit visit
2	KVK Baramati	Farm Atomization	Field visit and Demo unit
3	KVK, Karur	FPOs	Exposure Visit
4	KVK, Dharmapuri	FPO, Precision Farming, Dryland Farming	FPOs contact, Field visits

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	KVK, Hassan	Potato cultivation	Special recommendation, Potato seed tubers	Production of quality seed tubers
2	KVK, Doddaballapur	Biofuel and Jackfruit	Information on Bio fuel and Jackfruit Association	Processing
3	KVK, Chitradurga	Minor millets	Minor millets processing and value addition	Value addition in minor millets
4	KVK, Konehalli	Coconut	Value addition	Value added products

6. Plan of Work for 2018-19

A. Operational areas details proposed

SN	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	Tumakuru/Koratagere	-	Kolala, Vaddarahalli	Maize	Downy mildew and *Turcicum* leaf blight, Stem borer incidence	IPDM	-
2	Tumakuru/Koratagere /Pavagada	Tanganahalli, Kadaranahalli, K.T.Halli	-	Minor Millets	Lower income in Pigeon pea as a sole crop in rainfed condition. Pigeon pea is longer duration crop, prone to Biotic & Abiotic stresses leading to meager income. Interspace between rows of Pigeon pea underutilized for initial 70 days after sowing	Intercropping	2017
3	Koratagere/Sira /Pavagada/Madugiri	Tanganahalli, Balenahalli, K.T.Halli Muthyalammanahalli	Veeranagenahalli	Pigeonpea	Use of local varieties High rate of Sterility Mosaic Disease (SMD) & wilt disease incidences resultedin reduced yield	ICM	2017
4	Koratagere/ /Pavagada/Madugiri	Kadaranahalli, K.T.Halli	K T halli	Groundnut	Tikka Disease, leaf minor, low income	ICM	2017
5.	Sira	Tippenahalli	-	Onion	Non availability of Rabi varieties, Poor storability	New varieties	2017
6.	Tumakuru	-	Hebburu, Ragimuddenahalli	Mango	Mono-cropping, Low soil fertility, Low income	Intercropping	-
7.	Sira/ Tumakuru	-	Kallambella, Ragimuddanahalli	Musatard	Lack of suitable oilseed crop during Rabi season	New varieties	-
8.	Tumakuru/Koratagere		Janapanahalli , Halagondanahalli	China Aster	Small size flowers, less shelf life & low yield	ICM	-
9.	Tumakuru/Koratagere	-	Janapanahalli, Vaddarahalli	Arecanut	Monocropping, Low soil fertility, AnabeRoga, Nut splitting, Low income	Nutrient Management	-

10.	Tumakuru/Koratagere		Janapanahalli , Halagondanahalli	French bean	Mosiac disease, Rust, local varieties low yield	ICM	-
11.	Tumakuru/Koratagere	-	Ragimuddanahalli, Halagondanahalli	Brinjal	Poor decomposed litters, Low nutrient use efficiency & soil fertility, Severe incidence of wilt & lower yield	INM	-
12.	Koratagere/ madugiri	Nagenahalli siddapura	siddapura	EDP-Tamarind	Lack of knowledge on processing and value addition, low income	EDP	2016
13.	Koratagere	Tanganahalli Ganjalagunte Madugiri	Ganjalagunte Madugiri	Ragi	Less acceptability of value added products from existing varieties due to brown colour	IGA	2017
14.	Koratagere	-	Kolala K.T.Halli	Okra	Higher incidence of Bhendi yellow vein Mosaic, Low yield	IDM	-
15.	Tumakuru		Hebburu, Janapanahalli	Chilli	Low yield, Local varieties , Imbalanced nutrition, Disease incidence – Mosaic virus susceptible	ICM	-
16.	Madhugiri		Badavanahalli	Jasmine (Kakada)	Highly perishable, Low price during glut and Lack of knowledge on storage	PHT	-
17.	Pavagada/Koratagere	KT Halli Tanganahalli	-	Cucumber	Incidence of Downy mildew	IDM	2017
18.	Tumakuru	Tumakuru/ Madugiri	-	Mushroom	Lack of knowledge on mushroom cultivation and value addition.	IGA	2016

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	Tumakuru/ Koratagere/ Pavagada	Soil erosion, Early & mid-season drought, Downy mildew and *Turcicum* leaf blight Stem borer incidence	Integrated Pest and Disease Management in Maize	-	✓	✓	✓	-

Minor Millets	Tumakuru/ Koratagere /Pavagada/ madugiri	Lower income in Pigeon pea as a sole crop in rainfed condition. Pigeon pea is longer duration crop, prone to Biotic & Abiotic stresses leading to meager income. Interspace between rows of Pigeon pea underutilized for initial 70 days after sowing	Production technology and processing	-		✓	-	-
Pigeonpea	Koratagere/ Sira /Pavagada/ Madugiri	Use of local varieties High rate of Sterility Mosaic Disease (SMD) & wilt disease incidences resulted in reduced yield	Integrated crop management & Intercropping system in Mango	✓	-	✓	✓	✓
Groundnut	Koratagere/ Sira /Pavagada/ Madugiri	Tikka Disease, leaf minor, low income	Integrated crop management	-	✓	✓	✓	✓
Onion	Sira	Non availability of Rabi varieties, Poor storability	Assessment of Onion varieties for Rabi	✓	-	-	✓	-
Mango	Tumakuru	Mono-cropping, Low soil fertility, Low income, Pre & Post harvest loss, High cost involved in ripening	Assessment of suitable intercrop for Mango orchards	✓	-	-	-	-
Musatard	Sira/ Tumakuru	Lack of suitable oilseed crop during Rabi season	Assessment of Mustard varieties as alternative oilseed crops	✓	-	-	-	-
China Aster	Tumakuru/ Koratagere	Less attractive Colour, Small size flowers, less shelf life & low yield	ICM in China Aster– Arka Kamini	-	✓	✓	✓	-
Arecanut	Tumakuru/ Koratagere	Mono-cropping, Low soil fertility, Anabe Roga, Nut splitting, Low income	ICM in Arecanut	-	✓	✓	✓	-
French bean	Tumakuru/ Koratagere	Soil & PP related issues in Chemical farming, Low nutrient management, Mosiac and Rust disease, local varieties low yield	Demonstration of Bio-rationales in French beans in French bean	-	✓	✓	✓	-

			Integrated Crop Management in French Bean - Arka Arjun	-	✓	✓	✓	✓
Brinjal	Tumakuru/ Koratagere	Poor decomposed litters, Low nutrient use efficiency & soil fertility, Severe incidence of wilt & lower yield	Demonstration of Arka Actino-Plus (ACP) on Growth and Yield of Brinjal	-	✓	✓	✓	-
Tamarind	Koratagere/ Madugiri	Lack of knowledge on processing and value addition, low income	Tamarind :Value Addition, Branding and Market linkage	-	-	✓	✓	-
Ragi	Koratagere/ Madugiri	Less acceptability of value added products from existing varieties due to brown colour	Introduction of Finger millet Variety KMR 340 for Value Addition	-	✓	✓	✓	-
Okra	Koratagere/ Pavagada	Higher incidence of Bhendi yellow vein Mosaic, Low yield	Integrated Pest and Disease Management in Okra	-	✓	✓	✓	-
Chilli	Tumakuru	Low yield, Local varieties \Imbalanced nutrition, Disease incidence – Mosaic virus susceptible	Integrated Crop Management in Chilli - Arka Kyathi	-	✓	✓	✓	-
Jasmine	Madhugiri	Highly perishable, Low price during glut and Lack of knowledge on storage	Assessment of different storage methods to extend shelf life of Jasmine	✓	-	✓	-	-
Cucumber	Pavagada/ Koratagere	Micronutrient deficiency, Low yield, poor flowering, Incidence of Downy mildew	Assessment on Management of Downy mildew in Cucumber	✓	-	✓	-	-
Mushroom	Tumakuru/ Madugiri	Lack of awareness on nutritious foods, lack of knowledge on mushroom cultivation and value addition and low income,	Oyster Mushroom Production, value addition and Market Linkage	-	✓	✓	✓	-

7. Details of technological interventions

A. 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 Mustard varieties as alternative oilseed crops	Varietal evaluation	Oil seed	Mustard	Variety	Protected Irrigation	Lack of suitable oilseed crop during Rabi season, high pungency in oil	0.6	3	Seeds of PUSA -25 PUSA -28 PUSA -31 @ 1kg each Total :Rs.900/- **Grand total : Rs 2,700 for 3 trials**

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 Mustard varieties as alternative oilseed crops	2	1	-	-	Local	--	ITK

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option 4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
1	Assessment of Mustard varieties as alternative oilseed crops	Pusa 25	IARI, New Delhi	Pusa 28	IARI, New Delhi	Pusa 31	IARI, New Delhi	-	-

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 Mustard varieties as alternative oilseed crops	Yield	qt	Test weight	gm	No. of pods per plant	Nos.

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 Onion varieties for Rabi	Varietal evaluation	Vegetable	Onion	Arka Niketan, Bheema Shakti, L-3 red	Irrigation	Non availability of Rabi varieties and Poor storability	0.6	3	Arka Niketan : 1kg (2,000) Bhima Shakti: 1 kg (1,200) L-3 Red 1kg (1,000) **Grand Total for 3 trials : 12,600**

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 Onion varieties for Rabi	2	1	-	-	Local	Arka Niketan	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
1	Assessment of Onion varieties for Rabi	Bheema Shakti	DOG Pune	L-3 Red	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
1	Assessment of Onion varieties for Rabi	Bulb yield	Q/ha	Bulb size	Cm	Disease incidence	Percentage

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	IDM	Vegetabl	Cucum	Malini	Irrigatio	Incidence of	0.4	3	*Trichoder*

	on Management of Downy mildew in Cucumber		e	ber		n	Downy mildew			*ma harzianum :* 10kg (2,000) Metalaxyl: 0.2kg (500) Metalaxyl + Mancozeb : 0.5 kg (800) Dimethomorph+ Mancozeb : 1.2 kg (1,630) **Grand Total for 3 trials : 14,790**

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 on Management of Downy mildew in Cucumber	2	1	-	-	-	Spraying of Metalaxyl + Mancozeb (0.2%) and Cymoxanil+ Mancozeb (0.2%)	UASB & UHS Bagalkot

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option 3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
1	Assessment on Management of Downy mildew in Cucumber	Seed treatment with Captan (2g/kg seeds) Spray of Mancozeb (0.2%) & Cymoxanil+ Mancozeb (0.2%)	IIHR Bengaluru	Seed treatment with Metalaxyl (2g/kg seeds) 2. *Trichoderma harzianum* enriched Farm Yard Manure (@ 1 kg / 100 kg FYM) application **3.**Prophylacti	IIVR, Varanasi	-	-	-	-

				c Spray with Mancozeb (0.25%) followed by Spraying of Metalaxyl+ Mancozeb (0.25%) and Dimethomorph (0.1%)+ Mancozeb (0.2%)					

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 on Management of Downy mildew in Cucumber	Yield	Q/ha	Disease severity	%	No. of Fruits	Nos

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 different storage methods to extend shelf life of Jasmine	PHT	Flower	Jasmine	Kakada	Irrigated	Highly perishable, Low price during glut and Lack of knowledge on storage	0.25	5	Boric acid: 1kg Polythene bags (300µ and 200 µ) 5 kg : 1,500 **Grand Total for 5 trials : 7,500**

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 different storage methods to extend shelf life of Jasmine	2	-	1	-	Storage in wet gunny bags	-	-

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
1	Assessment of different storage methods to extend shelf life of Jasmine	Storage in gunny bags/ Polythene bags(200µ) with 4% boric acid treatment	UAS Raichur	Storage in Polythene bags(300µ)	TNAU, Coimbatore	-	-	-	-

K9SN	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 different storage methods to extend shelf life of Jasmine	Shelf life	Hrs	Physiological weight loss	percentage	BCR	Ratio

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 suitable intercrop for Mango orchards	Intercropping system	Fruit	Mango	Alphanso	Rainfed	Soil erosion due to wind and runoff, Low fertility status of mango gardens, non utilization of in between space	2.4	03	Pigeon pea Field bean Horse gram : Each 5kg-2,100 Bio-AMC-4kg -560 Veg Sp : 4kg -600 **Total cost for 3 trials : 9780**

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 suitable intercrop for Mango orchards	2	1	-	-	Mango monocropping	Mango + Horse gram	UASB

S N	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option 3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
1	Assessment of suitable intercrop for Mango orchards	Mango + Pigeon pea	IIHR Bengaluru	Mango + Field bean	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 suitable intercrop for Mango orchards	Yield	Q/ha	Intercrop yield	Q/ha	No of pods	Nos

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

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

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

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

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

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

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

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

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.1.1 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 Pest and Disease Management in Maize	IPDM	Cereals	Maize	MAH-14-5	Rainfed	05	1	*Kharif*	Cowpea/ Ragi
2	Introduction of Finger millet Variety KMR 340 for Value Addition	PHT	Millets	Ragi	KMR340	Rainfed	05	1	*Kharif*	Red gram
3.	Demonstration of Arka Actino-Plus (ACP) on Growth and Yield of Brinjal	INM	Vegetables	Brinjal	Private hybrid	Irrigated	05	1	*Kharif*	Ragi
4.	Demonstration of Bio-rationals in French beans	INM	Vegetables	French bean	Arka Suvidha	Irrigated	05	1	Rabi	Ragi
5.	Integrated Pest and Disease Management in Bhendi	IPDM	Vegetables	Bhendi	Arka Nikitha	Irrigated	05	1	Rabi	Ground nut
6.	Integrated Crop Management in Chilli - Arka Kyathi	ICM	Vegetables	Chilli	Arka Kyathi	Irrigated	05	1	Kharif/ Rabi	Ragi/ Ground nut
7	Integrated Crop Management in French Bean - Arka Arjun	ICM	Vegetables	French bean	Arka Arjun	Irrigation	5	1	Rabi/ Summer	Tomato
8.	ICM in China Aster– Arka Kamini	ICM	Flower	China aster	Arka Kamini	Irrigation	5	1	Rabi	Ground nut
9.	ICM in Arecanut	ICM	Plantation	Arecanut	Local	Irrigation	5	1	Kharif	-
10.	Oyster Mushroom Production, value addition and Market Linkage	IGA	Vegetable	Mushroom	Oyster	-	5	-	Kharif	-

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 Pest and Disease Management in Maize	4	1	-	-	Private hybrids and No seed treatment	MAH-14-5 Seed treatment with Metalaxil M + Mancozeb (4g/kg of seeds) for Downy mildew Spraying of Chlropyriphos (2ml/ltr) for stem borer.	UASB
2	Demonstration of Finger millet Variety KMR 340 for Value Addition	3	-	2	-	No Value addition	KMR-340: white ragi variety Value addition: Ragi Malt, Ragi hurihittu, ragi chakkuli, Ragi laddu and Ragi mixture	UASB
3.	Demonstration of Arka Actino-Plus (ACT) on Growth and Yield of Brinjal	3	2	-		No Bio fertilizers application only chemical fertilizers application	FYM – 25 tons /ha, RDF :125:100:50 kg/ha NPK, Seed treatment: ACT-10g/100g of seeds ACT : 20g / lit of water and apply near root zone on 10^{th} Day after Transplantation Vegetable Special : Spray 3g / lit after 30 DAT Pheromone traps: 10 Nos. / acre for shoot and fruit borer	IIHR, Bengaluru
4.	Demonstration of Bio-rationals in French beans in French bean	4	1	-		Local variety and No Organic inputs used	Arka Suvidha – 40kg/ha FYM – 25 tons /ha, N equivalent Compost-6t/ha Jeevamrutha- 2000 liter/ha Vegetable Special- 2gm /lit at 30 DAS and regular 15 days interval	UAS, Bengaluru

5.	Integrated Pest and Disease Management in Bhendi	4	1	-	-	Local variety and indiscriminate use of pesticides	Arka Nikitha –F1 hybrid (125 -130 days duration, tolerant to Bhendi yellow vein Mosaic and Yields 21-24 t/ha , AMC : Drenching @ 10ml /lit Vegetable Special- 2gm /lit at starts at flower initiation stage and regular 15 days interval	IIHR, Bengaluru
6.	Integrated Crop Management in Chilli – Arka Kyathi	4	-	-	1	Local varieties and indiscriminate use of fertilizers and pesticides	Arka Kyathi –F1 hybrid -FYM – 20 tons /ha, -RDF : 150:75:75 NPK kg/ha -AMC: Drenching and Spraying @ 10ml /lit (Protray and after transplanting with interval of 15 days) - Vegetable Special- 3gm /lit at starts at flower initiation stage and regular 15 days interval -Yellow sticky traps @ 25 sheets /ha,-Planofix– 4ml /16 lit of water at flowering stage	IIHR, Bengaluru
7	Integrated Crop Management in French Bean – Arka Arjun	4	1	-	-	Low yielding varieties and indiscriminate use of fertilizers	Arka Arjun (YMV resistant, bush type, pods round and stringless) - FYM – 25 tons /ha, RDF : 63:100:75 NPK kg/ha -AMC : Drenching @ 20g /lit (10 DAS) -Vegetable Special- 2gm /lit at starts at flower initiation stage and regular 15 days interval - Neem soap : @ 7 g/lit	IIHR, Bengaluru
8.	ICM in China Aster– Arka Kamini	4	1	-	-	Local varieties	ARKA Kamini RDF : 63:100:75 NPK kg/ha AMC : Drenching @ 20gm /lit (25 DAT) – Neem soap : @ 7 g/lit	IIHR, Bengaluru

9.	ICM in Arecanut	4	1	-	-	Imbalanced nutrition, No proper measures for *Ganoderma* disease	FYM- 20kg per tree, Neem cake-2kg per tree, French bean seeds-10kg/ acre, RDF-100:40:140 g per plant NPK, Borax-30 g per tree, COC- 10g per lit water, Hexoconazole -3 ml per 100ml water	CPCRI, Kasargod
10.	Oyster Mushroom Production, value addition and Market Linkage	-	-	-	5	Lack of knowledge on mushroom cultivation	Scientific mushroom production Products development (Ready to fruit bag, dried mushroom powder and rasam fortified rasam powder Market linkage	IIHR, 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
1	Integrated Pest and Disease Management in Maize	Seeds- 6kg Bio fertilizer-10kg Metalaxyl+ Mancozeb-100g Chlropyriophos-2.5 lits. **Total – Rs. 3,200** **Grand Total –Rs. 16,000**	Yield	Q/ha	Test weight	gm	Downy mildew and Turcicum leaf blight incidence	Percentage
2	Demonstrations of Finger millet Variety KMR 340 for Value Addition	KMR-340 seeds : 25 kg Packing materials-5kg, Labels- 400Nos Total : 4,100 **Grand Total = Rs.20,500/-**	Yield	Q/ha	BCR	Ratio	Consumer Acceptability	Percentage
3.	Demonstration of Arka Actino-Plus (ACT) on Growth and Yield of Brinjal	ACT- 10kg Vegetable special-2kg. Total :Rs. 1,500 **Grand total : Rs. 7,500**	Yield	T/ha	No of fruits	Nos	Wilt disease incidence	Percentage
4.	Demonstration of Bio-rationales in French beans in French bean	Seeds- 16kg Vegetable special-2kg Jaggery-8kg Gram flour-8kg Total : Rs.5000 **Grand Total : 25,000**	Yield	T/ha	No. of pods per plant	Nos.	Rust Disease Incidence	Percentage

5.	Integrated Pest and Disease Management in Bhendi	Seeds-1.5kg AMC-5 lits Vegetable special-2kg **Total : 4,700** **Grand Total :23,500**	Yield	T/ha	No. of fruits	Nos	BYVM Incidence	Percentage
6.	Integrated Crop Management in Chilli – Arka Kyathi	Seeds-30g Bio fertilizer AMC-1lit Yellow Sticky traps -05 Nos Vegetable special-2kg Neem Soap -2kg **Total :Rs.1,700** **Grand total : Rs. 8,500**	Yield	T/ha	No of fruits	Nos	Mosaic disease Incidence	Percentage
7	Integrated Crop Management in French Bean – Arka Arjun	Seeds- 4kg Bio fertilizer AMC -3kg Vegetable special-2kg Neem Soap-1kg **Total=Rs.1,950/-** **Grand Total = Rs.9,750/-**	Seed yield	q/ha	No of pods/plant	No's	Disease incidence	Percentage
8.	ICM in China Aster– Arka Kamini	Seeds- 150gm Bio fertilizer AMC -1 kg Neem Soap-1kg **Total=Rs.2,070/-** **Grand Total = Rs.10,350/-**	Yield	T/ha	No of flowers	Nos	Vase life	Days
9.	ICM in Arecanut	French bean seeds-10kg Borax-12kg COC- 2kg Hexoconozol- 2 lits **Total=Rs.6,200/-** **Grand Total = Rs.31,000/-**	Yield	T/ha	Nut splitting and Ganoderma wilt incidence	Percentage	Inter crop yield	T/ha
10.	Oyster Mushroom Production, value addition and Market Linkage	Spawn-10kg PP covers- 5kg Sprayer-1No. Packing and Labelling **Total=Rs.5,000/-** **Grand Total = Rs.25,000/-**	Biological efficiency	Percentage	Mushroom production economics	Rs./unit	Value added products economics	Rs./unit

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	Demonstration of Fodder sorghum CoFS 29	High yielding variety	Fodder	Fodder sorghum	0.5 ha	05

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
	Demonstration of Fodder sorghum CoFS 29	4	1	-	-	Local	Fodder sorghum CoFs-29	TNAU Coimbatore

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
1.	Demonstration of Fodder sorghum CoFS 29	Seeds – 5 kg AMC – 10 kg **Grand Total Rs.3900**	Yield	t/ha	No of tillers /hill	Nos	Milk yield	Lits /day (Before/After)

7. B.3. Enterprise

SN	Title	Thematic Area	Enterprise Category	Enterprise Name	Variety / Species	No. of units	No of Demos
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Tamarind :Value Addition, Branding and Market linkage	PHT	Fruit crops	IGA	-	3 SHG's	2

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**
1	Tamarind :Value Addition, Branding and Market linkage	--		25	15	--	Processing and value addition	TNAU, Coimbatore

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**
1	Tamarind :Value Addition, Branding and Market linkage	Weighing balance- 1 No. Sealing-, Machine-1 No Packing materials- 2 kg Labels- 200 Nos Total=Rs.10,000/- **Grand Total = Rs.30,000/-**	Quantity of different products produced	Kg	BCR	Ratio	Consumer acceptability	Percentage

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/ Others)	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	OFT	Regular	Off	General	1	ICM in Vegetables	ICM
2	FLD	Regular	Off	General	1	Commercial Floriculture	ICM
3	FLD	Regular	On	General	1	Production practices in Chilli	ICM

4.	FLD	Regular	Off	General	1	Earn more from seed production-ICM and seed production techniques in French bean Arka Arjun	Seed Production Techniques
5.	Others	Sponsored	On	General	1	Precision farming in Vegetables	ICM
6.	Others	Regular	On	General	1	Good Agricultural practices in Arecanut	ICM
7.	Others	Rural Youth	Off	General	1	Dry land Horticulture	ICM
8.	Others	Extension	on	General	1	Precision farming in Horticulture crops	ICM
9.	Others	Regular	On	General	1	Ground water recharge (Borewell)	Water use efficiency
10.	Others	Regular	On	General	1	Weed management in crops	Weed management
11.	Others	Regular	On	General	1	Honey bee rearing	Honey bee rearing
12.	Others	Regular	On	General	1	Tree Mulberry Management	Agri Slivi pasture
13.	Others	Regular	On	General	1	Tree based farming system	Agri Slivi Horti
14.	OFT	Regular	Off	General	1	Post-harvest technology in Jasmine	PHT
15.	FLD	Regular	Off and On	General	2	Processing and Value addition in Ragi	Processing and value addition
16.	FLD	Regular	On	General/ Rural youth	1	Mushroom production and Value addition	Mushroom production and value addition
17.	Others(EDP)	Regular	Off	General	1	Tamarind processing and value addition	PHT
18.	Others	Rural youth	on	Rural Youth	1	Oyster Mushroom Production	Mushroom production techniques
19.	Others	General	On	General	1	Processing and value addition to Minor millets	Processing and value addition

SlNo.	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	HYV	Y	OFT	ICAR	1200	15	5	5	5
2	Cultivation practices of commercial flowers	Y	FLD	ICAR	1200	20	5	5	-
3	High yielding hybrids, INM, weed Mang.	Y	FLD	ICAR	1200	15	-	10	5
4	HYV, INM, pest & diseases, seed production techniques	Y	FLD	ICAR	1200	25	-	5	-
5.	Production technology	Y	Sponsored	Dept of Horti	5,000	30	5	5	-
6.	Production technology	Y	-	ICAR	1200	15	5	-	5
7.	Production technology	Y	-	ICAR	1200	20	10	5	5
8.	Drip and Fertigation	Y	-	ICAR	1200	10	10	5	5
9.	Water management	Y	-	ICAR	1500	30	05	2	1
10.	Weed management	Y	-	ICAR	1500	30	05	2	1
11.	Honeybee rearing	Y	-	ICAR	1500	35	10	2	2
12.	Mulberry cultivation	Y	-	ICAR	1500	30	05	3	2
13.	Agro Forestry	Y	-	ICAR	1500	35	03	2	-
14	Extension of Shelf life in Jasmine	Y	OFT	ICAR	1200	10	10	4	6
15	Introduction of KMR-340 white Ragi variety for value addition	Y	FLD	ICAR	1200		20	5	5
16	Mushroom cultivation	Y	FLD	ICAR	1200	15	8	4	3
17	Tamarind processing and value addition	Y	EDP	ICAR	1200		22	8	10
18	Oyster mushroom production	Y	Sponsored	Dept of Women and child development/ NGO	3000	20	22	10	8

19	Processing and value addition in Minor millets	Y	Sponsored	NGO	2000		25	5	5

D. Extension programme

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
1.	Advisory over Phone	130	845	60
2.	Bi-Monthly meeting	4	-	50
3.	Celebration of Day	05	350	15
4.	Diagnostic visit	40	140	10
5.	Exhibition	10	2000	15
6.	Exposure Visit	1	20	2
7.	Ex-trainees Samelan	-	-	-
8.	Extension Literature	5	-	-
9.	Farmers Science conveners meeting	-	-	-
10.	Farmer /Extension personnel visit to KVK	6	2040	40
11.	Farmers Seminar/ Workshop	1	250	2
12.	Field day	8	450	13
13.	Film Show	2	260	12
14.	Formation of SHGs	-	-	-
15.	Group Meeting	05	550	05
16.	Kisan Ghosti	1	2000	2
17.	Kisan Mela	1	100000	45
18.	Lecture delivered as resource person	35	1600	80
19.	Method demonstration	25	1325	13
20.	Newspaper coverage	10	-	-
21.	No. of animals treated	-	-	-
22.	Popular articles	05	-	-
23.	Radio talk	05	-	-
24.	Scientist visit to Farmers Field	25	260	12
25.	SHC campaign	-	-	-
26.	SHG meeting	5	350	3
27.	Technical Reports	10	-	-
28.	TV Talk	10	-	-
29.	Other- Specify	-	-	-
	Total	**349**	**112440**	**379**

8. Activities proposed

A. Mobile Advisory Services

Message Type	Crops	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Text	44	6	14	10	20	10	104
Voice	-	-	-	-	-	-	-
Total	44	6	14	10	20	10	104

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 (No's)			
Fruits - Mango/ Guava	-	20000	14,00,000	12,40,000	1,60,000
Arecanut seedlings	-	45000	13,50,000	11,25,000	2,25,000
Coconut seedlings	-	4000	3,20,000	2,28,000	92,000
Seeds					
Ragi- ML-365	500	-	20,000	12,000	8,000
Fox tail millet	100	-	10,000	7000	3000
Redgram –BRG 5	200	-	30,000	18000	12000
Tomato	10	-	20,000	12,000	8,000
Brinjal– A Shirish	20	-	30,000	22000	8000
Chilli – A Suphal	10	-	30,000	20,000	1000
French Bean – Arka Suvidha	500	-	1,25,000	75,000	50,000
Bhendi– A Anamika	200	-	1,00,000	85,000	15,000
Pumpkin– A Chandan	20	-	20,000	15,000	5,000
Ridge gourd –A. Sumeet	50	-	25,000	20,000	5,000
Onion – A.Kalyan	200	-	3,00,000	2,40,000	60,000
Radish–A. Nishant	50	-	25,000	20,000	5,000
Amaranthus- A.Suguna	50	-	25,000	15,000	10,000
Vegetable kits (No.)	5000	-	7,50,000	6,00,000	1,50,000
Fodder Sorghum Seeds	80	-	40,000	25,000	15,000
Drumstick Seedlings	-	5000	50,000	44,500	5,500
Mushroom spawn	1200	-	90,000	60,000	30,000
		Total	**47,60,000**	**38,83,500**	**8,76,500**

Bio Products

Name of the Bio Product	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			
Arka microbial consortium Powder	2000	-	2,80,000	2,00,000	80,000
AMC Liquid	2000 lits	-	5,00,000	4,00,000	1,00,000
Neem Soap	3000	-	4,50,000.00	2,20,000.00	2,30,000.00
Pongamia Soap	1000	-	2,00,000.00	1,25,000.00	75,000.00
Fruit Fly Traps	-	5000 Nos.	1,00,000.00	75,000.00	25,000.00
Lures	-	5000 Nos.	1,00,000.00	75,000.00	25,000.00
Sealer cum Healer	1500	-	2,25,000.00	1,75,000.00	50,000.00
Banana Special	5000	-	7,50,000.00	5,50,000.00	2,00,000.00
Vegetable Special	5000	-	7,50,000.00	5,50,000.00	2,00,000.00
Mango Special	2500	-	3,75,000.00	2,75,000.00	1,00,000.00
Citrus Special	2500	-	3,75,000.00	2,75,000.00	1,00,000.00

C. Home Care Production

Name of Home product	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			
Amla Squash	1000 Litres	-	1,30,000	60,000	70,000
Amla candy	100 kg	-	30,000	20,000	10,000
Ragi malt	100 kg	-	20,000	8,000	12,000

D. Livestock

Name of Livestock	To be Produced (Nos) (Target)	Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
Draught Animals	02	50,000	40,000	10,000
Sheep	04	20,000	10,000	10,000

E. Farm Production – 2018-19

Name of Farm Produce	To be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (No's)			
Wheat	1000	-	50,000	35,000	15,000
Mustard	300	-	30,000	20,000	10,000
Browntop Millet	100	-	7,000	5,000	2,000
Milk	1000 lits		30,000	20,000	10,000
Coconut Nuts	-	6000 nuts	60,000	42,000	18,000
Areca nuts	17600		5,28,000	4,00,000	1,28,000
Mango	4000		60,000	40,000	20,000
Sapota	1700		17,000	12,000	5,000
Guava	1800		21,600	15,000	6,600
Tamarind	1000		30,000	15,000	15,000
Amla	8,000		1,60,000	85,000	75,000
		Total	**9,93,600**	**6,89,000**	**3,04,600**

F. Publication / Literature

Item Name	Title	Auther/s Name	No. of circulation
Folder	Arecanut Production practices	Prasanth JM PR Ramesh and B.H.Gowda	1000
Folder	Commercial flowers	Prasanth JM PR Ramesh and KN Jagadish	500
Total			**1500**

G. Electronic Media

Media Type	Title	No. circulation	Developed by
Video	China Aster Success stories	500	KVK
Video	Tomato - Arka Samrat	500	KVK
Video	Arka Suvidha /Bio rationals	500	KVK

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	2,500	P.RRamesh,	5,00,000	3,75,000	1,25,000
Water	1,500	P.RRamesh	1,50,000	1,00,000	50,000
Plant	100	P.RRamesh,	20,000	15,000	5,000
Others					

No. of SHC to be distributed: 2,500

I. News letter

Name	To be issued	No. of Soft copies to be issued	No. of hard copies to be issued
KVK Newsletter Hirehalli	KVK and Line depts.	200	200

J. Technology Week

Proposed Date	No. of agencies to be linked	Qty. Seeds supply	Qty. Planting material supply	Qty. bio products supply
February 2019	05	100 vegetable kits	100 Nos	100 Kg

K. Proposed Projects

Project Name	Role of KVK	Duration	Project Outlay (Rs)	Additional Man Power to be planned
Technology demonstration component - NICRA	Technology backstopping and implementation of proposed action plant	1 year	4,00,000/-	SRF

L. Farmer's Field School planned

Thematic area	Title of the FFS	Budget proposed in Rs.	No. of farmers
IPDM	Integrated Pest and disease management in cabbage	30,000/-	25

M. E-linkage

SN	Nature of activities	
1	Is KVK has website (Y/N)	Y
2	If NO, date of website to be develop & host	NA
3	Name of the module assigned during Orientation Programme	NA
4	Plan, Progress and expected date of completion	NA

N. KVK instructional farm Activities

SN	Plot	Season	Area (ha)	Name of the crop	Expected Yield (kg)	Expected Expenditure (Rs)	Expected income (Rs)	Net returns (Rs)
1	B3	Kharif	0.2	Chilli	10	20,000	30,000	10,000
2	B3	Rabi	1.0	French Bean	300	50,000	75,000	25,000
3	C2	Summer	1.0	Bhendi	200	60,000	1,00,000	40,000
4	C1	Rabi	0.2	Pumpkin	20	15,000	20,000	5,000

5	B3	Summer	0.2	Ridge gourd	50	20,000	25,000	5,000
6	B4	Kharif	0.6	Onion	200	2,40,000	3,00,000	60,000
7	B4	Kharif	0.3	Radish	50	20,000	25,000	5,000
8	C2	Summer	0.5	Amaranthus	50	15,000	25,000	10,000
9	C2	Rabi	0.4	Tomato	10	12,000	20,000	8,000
10.	D4	Kharif	0.4	Fodder sorghum	80	25,000	40,000	15,000

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
	-NA-	

P. Plan of other activities

SN	Proposed activities	Expected expenditure (Rs)	Expected income (Rs)	Net Returns (Rs)	Name of the team members involved
1	Empowerment of Rural Women Groups through Nutrition Gardening	7,50,000	10,00,000	2,50,000	Radha Banakar, Prasanth JM, P.R. Ramesh, KN Jagadish

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	April 4th week 2018
Brief action plan in this regard	As per the guidelines of ATARI

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
1.	Assessment of decomposing cultures in compost preparation	Organic Farming	-	-	-	-	Delay in Decomposing	-	3	Decomposing Cultures Arka DC – 3 kg :300/- UAS DC-3kg :750/- NCOF-DC-50ml : 60/- Total : Rs. 1110 **Grand Total : Rs. 3360/-**

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 decomposing culture in compost preparation	2	1	-	-	Cow dung Slurry	Cow dung Slurry	ITK

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
1.	Assessment of decomposing culture in compost preparation	Arka Decomposer	IIHR	Compositing Culture	UAS D	Organic Decomposer	NCOF, UP	-	-

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 decomposing culture in compost preparation	-	-	No. day taken for decomposing	Days	C:N ratio analysis	Ratio

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	Demonstration of Arka Actino-Plus (ACT) on Growth and Yield of Brinjal	INM	Vegetables	Brinjal	Private hybrid	Irrigated	05	1	*Kharif*	Ragi
2	Demonstration of Bio-rationals in French beans in French bean	INM	Vegetables	French bean	Arka Suvidha	Irrigated	05	1	Rabi	Ragi

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	Demonstration of Arka Actino-Plus (ACT) on Growth and Yield of Brinjal	3	2	-		No Bio fertilizers application only chemical fertilizers application	FYM – 25 tons /ha, RDF :125:100:50 kg/ha NPK, Seed treatment: ACT-10g/100g of seeds ACT : 20g / lit of water and apply near root zone on 10th Day after Transplantation Vegetable Special : Spray 3g / lit after 30 DAT Pheromone traps: 10 Nos. / acre for shoot and fruit borer	IIHR, Bengaluru
2	Demonstration of Bio-rationals in French beans in French bean	4	1	-		Local variety and No Organic inputs used	Arka Suvidha – 40kg/ha FYM – 25 tons /ha, N equivalent Compost- 6t/ha Jeevamrutha- 2000 liter/ha Vegetable Special- 2gm /lit at 30 DAS and regular 15 days interval	UAS, 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
1	Demonstration of Arka Actino-Plus (ACT) on Growth and Yield of Brinjal	ACT-10kg Vegetable special-2kg Total :Rs. 1,500 **Grand total : Rs. 7,500**	Yield	T/ha	No of fruits	Nos	Wilt disease incidence	Percentage
2	Demonstration of Bio-rationales in French beans in French bean	Seeds-16kg Vegetable special-2kg Jaggery-8kg Gram flour-8kg Total : Rs.5000 **Grand Total : 25,000**	Yield	T/ha	No. of pods per plant	Nos.	Rust Disease Incidence	Percentage

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**
1	FLD	Regular	Off	General	01	Use of Actino plus in vegetables	Organic farming
2.	FLD	Regular	Off	General	01	Use of Bio rationales in Horticulture crops	Organic farming

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	Organic Inputs	Y	RC KVK	ICAR	4000	40	10	5	3
2	Organic Inputs	Y	RC KVK	ICAR	4000	33	08	5	3

D. Extension programme related to organic farming

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
30.	Advisory over Phone	30	850	30
31.	Bi-Monthly meeting	-	-	-
32.	Celebration of Day	-	-	-
33.	Diagnostic visit	10	230	12
34.	Exhibition	-	-	-
35.	Exposure Visit	1	20	-
36.	Ex-trainees Samelan	-	-	-
37.	Extension Literature	-	-	-
38.	Farmers Science conveners meeting	-	-	-
39.	Farmer /Extension personnel visit to KVK	20	275	25
40.	Farmers Seminar/ Workshop	1	400	15
41.	Field day	2	150	5
42.	Film Show	5	130	15
43.	Formation of SHGs	-	-	-
44.	Group Meeting	-	-	-
45.	Kisan Ghosti	-	-	-
46.	Kisan Mela	-	-	-
47.	Lecture delivered as resource person	10	560	22
48.	Method demonstration	2	80	10
49.	News paper coverage	10	-	-
50.	No. of animals treated	-	-	-
51.	Popular arterials	-	-	-
52.	Radio talk	2	-	-
53.	Scientist visit to Farmers Field	4	85	15
54.	SHC campaign	-	-	-
55.	SHG meeting	-	-	-
56.	Technical Reports	2	-	-
57.	TV Talk	2	-	-
58.	Other- Specify	-	-	-
	Total	**71**	**1930**	**119**

E. Organic Certification is planned? If Yes Details -NA

F. Any other activity related to Organic farming. Pl specify.

Organic crop cafeteria

11. Swachh Bharat Abiyan

Activity	Month	Details	No. of Participants/ Farmers
1	June 2018	World Environment Day – Plastic free	100
2.	July 2018	Campus cleaning	50
2	Feb 2019	Swachh Bharat Abiyan at SS Mutt, Kyatsandra	1000

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
46.44	58.73	49.23	36.94

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

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	13200000		11179340
2	**Traveling allowances**	140000		119408
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	600000		459868
B	POL, repair of vehicles, tractor and equipments	500000		397765
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	245000		172252
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	75000		67038
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	275000		230856
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	62000		62000
G	Training of extension functionaries	25000		12000
H	Extension Activities	50000		26407
I	IFS	50000		50000
J	FFS	30000		30000
K	EDP	30000		30000
L	Display Boards	0		0
M	Maintenance of buildings	0		0
N	Establishment of Soil, Plant & Water Testing Laboratory	25000		25000
O	Library	5000		5000
P	Video Production	30000		0
Q	Farmers Conclave, KVK Conference	85000		0
	TOTAL (A)	**15427000**	**-**	**12866934**
B. Non-Recurring Contingencies				
1	**Works**	-		
2	**Equipments including SWTL & Furniture**	--		
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-		
4	**Library**	-		
	TOTAL (B)	**-**		
C. REVOLVING FUND		-		
	GRAND TOTAL (A+B+C)	**15427000**	**-**	**12866934**

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

S. No.	Particulars	BE 2018-19 proposed
A. Recurring Contingencies		
1	**Pay & Allowances**	15000000
2	**Traveling allowances**	150000
3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	600000
B	POL, repair of vehicles, tractor and equipments	500000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	250000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	100000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	219100
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	37590
G	Training of extension functionaries	25000
H	Extension Activities	50000
I	IFS	50000
J	FFS	30000
K	EDP	30000
L	Display Boards	10000
M	Maintenance of buildings	200000
N	Soil & Water Testing & Issue of Soil Health Cards	25000
O	Library	5000
TOTAL (A)		**17025000**
B. Non-Recurring Contingencies		
1	**Works**	3000000
2	**Equipments including Office Automation & Furniture**	300000
3	**Vehicle** (Mintiller)	500000
4	**Library** (Purchase of assets like books & journals)	**0**
TOTAL (B)		**3800000**
C. REVOLVING FUND		
GRAND TOTAL (A+B+C)		**20825000**