

ICAR-KRISHI VIGYAN KENDRA, GONIKOPPAL, KODAGU

PROFORMA FOR ACTION PLAN OF KVKS IN ZONE XI FOR THE YEAR 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 (ICAR-Indian Institute of Horticultural Research) GONIKOPPAL - 571213 , Virajpet Taluk KODAGU DISTRICT, KARNATAKA Phone: 08274 -247274, Fax: 08274-247274 E-mail: ihrkvkgk@gmail.com
2.	Name and address of host organization	:	ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR-Indian Council of Agricultural Research) Hessaraghatta Lake post, BENGALURU Phone: 080-28466420 / 21, 22, 23 Fax: 080-28466291 e-mail : director@ ihr.res.in
3.	Year of sanction	:	1976
4.	Name of agro-climatic zone	:	Sub tropical humid zone
5.	Major farming systems/enterprises	:	Coffee based mixed farming system Paddy(Kharif), Ginger
6.	Soil type	:	Red loam soils
7.	Annual rainfall (mm)	:	2800

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band/ matrix	Grade Pay	Date of joining	Permanent / Temporary	If vacant action plan for filling the post on permanent basis
1.	Senior Scientist and Head	Dr. Saju George	Agril. Extension	41720	9000	04.05.2014	Permanent	-
2.	Scientist	K. A. Devaiah	Horticulture	112400	-	30.11.1993	Permanent	-
3.	Scientist	B. Prabhakara	Horticulture	76200	-	03.04.2007	Permanent	-
4.	Scientist	Veerendra Kumar K.V	Plant Protection	74000	-	02.12.2009	Permanent	-
5	Scientist	Dr. Suresh S.C	Livestock	76200	-	09.02.2011	Permanent	-
6	Scientist	Dr. Somashekhar	Plant Breeding	74000	-	05.12.2009	Permanent	-
7	Scientist	Vacant	-	-	-	-	Permanent	-
8	Programme Assistant	M .K . Padmavathy	-	69000	-	21.01.1983	Permanent	-
9	Computer Programmer	Vacant	-	-	-	-	Permanent	-
10	Farm Manager	Vacant	-	-	-	-	Permanent	-
11	Assistant	Mohan	-	58600	-	08.12.2017	Permanent	-
12	Stenographer	Mallesh	-	26000	-	15.06.2017	Permanent	-
13	Driver 1	Prasad	-	46800	-	11.04.2016	Permanent	-
14	Driver 2	Vacant	-	-	-	-	Permanent	-
15	Supporting staff 1	B. N. Janaki	-	33000	-	25.03.1985	Permanent	-
16	Supporting staff 2	Vacant	-	-	-	-	Permanent	-

3. Details of SAC meeting conducted during 2018-19

Sl.No	Tentative date of SAC meeting proposed during 2018-19
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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 2017-18
1.	Senior Scientist and Head	Documentation of success stories and impact of kvks interventions	MANAGE	Improving the quality of KVK activities and its documentation	
2.	Scientist	<ul style="list-style-type: none"> • Advances in Fruit Production • Advances in Vegetable Production 	IIHR	Updating the knowledge and giving proper advisory services	
3.	Scientist	<ul style="list-style-type: none"> • Production of Bio control agents in plant disease management • Multimedia Technology 	NIPHM	Updating the knowledge and giving proper advisory services	Sustainable Bee keeping practices at NIPHM, Hyderabad
4.	Scientist	<ul style="list-style-type: none"> • Advances in Spice Production technologies 	IISR	Updating the knowledge and giving proper advisory services	Nutrition management in Dairy cows at NIANP
5.	Scientist	<ul style="list-style-type: none"> • Advances in animal nutrition 	NIANP	Knowing advanced technologies	Refresher course on Statistical techniques in Agricultural Research at UAS, Dharwad
6.	Scientist	<ul style="list-style-type: none"> • Advances in Fruit and Vegetable Preservation • Rural Women Empowerment 	MANAGE	Knowing advanced technologies	
7.	Programme Assistant	<ul style="list-style-type: none"> • Advances in Fruit and Vegetable Preservation • Rural Women Empowerment 	IIHR and MANAGE	Knowing advanced technologies	

B. Cross-learning across KVKs

S. No	Name of the KVK proposed	Purpose	Mode of learning
1	Within ring - KVK, Mysore	Seed village concept	Field visit, KVK Visit
2	Within the zone - KVK, Kannur	Public Private Partnerships modules, Value addition, Packaging, Branding and marketing supports	Field visit, KVK Visit
3	Outside zone - KVK, Tumakuru	Dairy technology, value addition and packaging	Field visit, KVK Visit

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	Livestock production	Sharing of resources and expertise	
2	KVK, Mysore	Seed production concept	Sharing of resources and expertise	
3	KVK, Hirehalli	Vegetable seed production	Sharing of resources and expertise	

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	● Virajpet	<u>Ponnampet cluster</u> Nallor, Kiragoor, Hudikeri Aruvathoklu, Kunda	<u>Hudukeri cluster</u> Kutta, Hudikeri, Billoor, West Nemmale, Eachoor	<ul style="list-style-type: none"> ● Coffee,Pepper,Coorg mandarin, Arecanut,Ginger and Paddy ● Piggery, Backyard poultry, Dairy Value addition 	<ul style="list-style-type: none"> ● Imbalanced nutrition and low yield in coffee ● Incidence of yellowing in black pepper ● Piglet mortality ● Non availability of green fodder for livestock's 	Nutrition management in coffee Yellowing management in Black pepper Strategies to mitigate piglet mortality Introduction of fodder bank	New
2	● Madikeri	<u>Bhagamandala cluster</u> Bengoor, Kottoor, Cherandeti, Thannimani	<u>Cherambane cluster</u> Singathur, Chettimani, Sannapulikotu, Korangala	<ul style="list-style-type: none"> ● Coffee, pepper ● Paddy ● Vegetables 	<ul style="list-style-type: none"> ● Low yield in vegetables ● Infestation of fruit flies ● Imbalanced nutrition ● Low yield in black pepper growing in higher altitudes 	Demonstrations of high yielding varieties in vegetables IPM in vegetables Introduction of pepper hybrids	New
	● Somwarpet	<u>Hebbale cluster</u> Maroor, Chickaluvara, Doddaluvara, Shirangala	<u>Kushalnagar cluster</u> Kanive, Guddehosur, Basavanahalli, Bettageri	<ul style="list-style-type: none"> ● Maize ● Ginger ● Vegetables 	<ul style="list-style-type: none"> ● Low yield and price in maize ● Imbalanced nutrition ● Farmers are searching for alternative crops 	Evaluation of tuber crops as alternate crop to maize and Ginger Demonstrations of high yielding varieties in vegetables	New

					<ul style="list-style-type: none"> • Non availability of green fodder for livestock's • 		
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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
Coffee	Virajpet	Low yield	ICM	-	ICM in coffee	Importance of soil testing Nutrient management in coffee Pruning techniques in coffee Irrigation in coffee	Soil health campaigns Radio talk Method demonstration	Production of quality planting material
Black pepper	Madikeri	Yellowing and spike shedding	INM & IPDM	-	Management of yellowing and spike shedding	Use of organic formulations Use of micro nutrients	Method demonstrations	Production of AMC
		Incidence of quick wilt disease and mealy bug infestation	IPDM	-	IPDM in Black pepper	IDM in Black pepper	Method demonstrations Radio talk TV recording	Production of AMC
		Poor performance of P-1 in higher altitudes	Evaluation of new hybrids	Assessment of IISR Thevum and IISR Malabar Excel pepper hybrids	-		Recent production technologies of Black pepper	Radio talk Exposure visit
Tapioca	Somwarpet	Low yield and income in Maize, High cost of cultivation in ginger	Assessment of alternate crops	Assessment of Cassava varieties for higher yield and income	-	Production technology of tuber crops	Exposure visit Seminar	Production of planting material

Bitter gourd	Madikeri	Low yield and preference of whitish fruits in the market	Assessment of varieties	Assessment of bitter gourd varieties of higher yield	-	Production technology of Bitter gourd IPDM in Gourds INM in Gourds	Field visit Diagnostic visit Radio talk	Production of seed material
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French bean	Madikeri	Low yield and preference for string less types in the market	Demonstration of high yielding varieties	-	Demonstration of of high yielding and string less French bean var. Arka Sharath	Production technology of French bean	Field visit	Production of seed material
Yard long bean	Madikeri	Low yield	Introduction	-	Demonstration of Yard long bean variety Arka Mangala	Production technology	Field visit	Production of seed material
Spine gourd	Madikeri	Diversification of crops and high demand in the local market	Introduction	-	Demonstration of Spine gourd var. Arka Neelanchal Shanthi	Production technology	Field visit	Production of planting material
Chilli	Somwarpet	Low yield and preference of fruits in the market	Demonstration of hybrid	-	Demonstration of chilli hybrid Arka Meghana	Production technology	Field visit	-
Fishery	Virajpet	Non utilization of farm ponds and poor body wieght	Introduction and standardization of ratio	-	Composite fish culture in Farm ponds	Feed management	Field visit Method demonstration	-
Fodder bank	Virajpet	Non availability of green fodder	Introduction and year round fodder production for dairy cows	-	Demonstration of Fodder Bank (DHN-6, COFS and Erithirina)	Feed management	Field visit Method demonstration	Production of planting material
Piggery	Virajpet	Weak and death of piglets	Calcium supplementation	-	Integrated approach to reduce piglet mortality at the age of weaning(2-3 month age)	Rearing of young piglets	Field visit Method demonstration	-

7. Details of technological interventions

A. Technology Assessment

7.A.1. Crops

1. Assessment of Cassava varieties for higher yield and Income

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 Cassava varieties for higher yield and Income	Introduction of High yielding varieties	Tuber crop	Cassava	<ul style="list-style-type: none"> Sree Jaya Sree Vijaya 	Protective irrigation	Cultivation of Low yielding varieties and lower income	1.0	03	Sree Jaya cuttings Sree Vijaya cuttings Total cost: 26,000

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 Cassava varieties for higher yield and Income	03	0	0	0	<ul style="list-style-type: none"> Use of local varieties which are having low 	<ul style="list-style-type: none"> Sree Jaya 	CTCRI, Thiruvananthapuram

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 Cassava varieties for higher yield and Income	<ul style="list-style-type: none"> Local varieties 	local	Sri Jaya	CTCRI, Thiruvananthapuram	Sri Vijay	CTCRI, Thiruvananthapuram	-	-

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 Cassava varieties for	Tuber yield	(Q/ha)	Plant height	cm	-	-

higher yield and Income			(cm)		
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2. Assessment of Pepper varieties for higher yield potential in high altitude region

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 Pepper varieties for higher yield potential in high altitude region	Introduction of High yielding varieties	Spices crop	Black Pepper	<ul style="list-style-type: none"> • Panniyur-1 • IISR Thevam • IISR Vijaya 	Protective irrigation	The reigning pepper hybrid Panniyur-1 does not yield to its potential in higher altitudes	0.25	05	<ul style="list-style-type: none"> • Panniyur-1 • IISR Thevam • IISR Vijaya • Arka Microbial Consortium Total cost: 37,750

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 Pepper varieties for higher yield potential in high altitude region	03	0	2	0	• Panniyur-1	• Panniyur-1	IISR Calicut

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 Pepper varieties for higher yield potential in high altitude region	• IISR Thevam	IISR Calicut	• IISR Vijaya	KAU	-	-	-	-

SN	Title	Primary Parameter	Primary Parameter Unit (%)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
2	Assessment of Pepper varieties for higher yield potential in high altitude	Survival (%)	%	Plant height	cm	-	-

region									
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3. Assessment of Bitter gourd varieties for higher yield

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
3	Assessment of Bitter gourd varieties for higher yield	Introduction of High yielding varieties	Vegetable crops	Bitter gourd	<ul style="list-style-type: none"> • Preethi • Priyanka 	Protective irrigation	Low yield (10-12 t/ha), high incidence of fruit flies, preference for long and whitish fruits for market.	0.25	05	<ul style="list-style-type: none"> • Preethi • Priyanka • Arka Microbial Consortium • Fruit fly traps Total cost: 18,000

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
3	Assessment of Bitter gourd varieties for higher yield	03	0	2	0	<ul style="list-style-type: none"> • Use of local variety 	<ul style="list-style-type: none"> • Preethi 	KAU, Kerala

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
3	Assessment of Bitter gourd varieties for higher yield	<ul style="list-style-type: none"> • Priyanka 	KAU, Kerala	-	-	-	-	-	-

SN	Title	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
3	Assessment of Bitter gourd varieties for higher yield	Yield	(q/ha)	Fruit size	(cm)	Yield	(kg/ plant)

4. Management of Yellowing and Spike shedding in Black Pepper

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
4	Management of yellowing and spike shedding in Black Pepper	IPDM	Spices crops	Black Pepper	• Panniyur-1	Protective irrigation	Spike shedding and yellowing	1.0	05	<ul style="list-style-type: none"> • Black Pepper special • Arka Microbial Consortium • Arka Actino plus • <i>Pachonia chlamydosporia</i> • AYAR Total cost: 30,000

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
4	Management of yellowing and spike shedding in Black Pepper	05	0	0	0	Spraying of Bordeaux mixture	Spraying of Carbendazim 2 gm per lit Drenching of Carbosulfan 2 ml and COC 3 gm per lit. during June and sept.	IISR Calicut

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
4	Management of yellowing and spike shedding in Black Pepper	<ul style="list-style-type: none"> • Spraying of Black Pepper special 5 gm per lit. during May and September • Drenching of Arka Microbial Consortium 20 gm per lit. and Arka Actino Plus 50 gm per lit. during June and September and Soil application of <i>Pachonia chlamydosporia</i> enriched with FYM 	IISR Calicut	Soil Application of AYAR 10 gm per plant during June	KAU	-	-	-	-

SN	Title	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
4	Management of yellowing and spike shedding in Black Pepper	Yield	(q/ha)	Yellowing	%	Spikes shedding	No./ plant)

7.A.2. Livestock : Nil

7.A.3. Enterprise : Nil

7.A.4. Farm Implement : Nil

7.B Frontline Demonstrations

7.B.1. Crops

FLD: 1. Demonstration of high yielding, stringless French Bean variety *Arka Sharath*

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 high yielding, stringless French Bean variety <i>Arka Sharath</i>	Introduction of High yielding varieties	Vegetable crop	French Bean	<i>Arka Sharath</i>	Protective irrigation	10	1.0	Summer 2019	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
1	Demonstration of high yielding, stringless French Bean variety <i>Arka Sharath</i>	07	02	01	00	Use of local variety	High yielding, string less French Bean variety <i>Arka Sharath</i>	IIHR Bengaluru

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 high yielding, stringless French Bean variety <i>Arka Sharath</i>	Arka Sharath seeds IIHR Vegetable special Arka Microbial Consortium Quinolphos Total amount: 37,000	Yield	q/ha	No of pods	No's	BCR	Ratio

FLD: 2. Introduction of high yielding IIHR Yard Long bean variety *Arka Mangala*

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
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1	2	3	4	5	6	7	8	9	10	11
2	Introduction of high yielding IIHR Yard Long bean variety <i>Arka Mangala</i>	Introduction of High yielding varieties	Vegetable crop	Yard Long bean	<i>Arka Mangala</i>	Protective irrigation	10	1.0	Summer 2019	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	Introduction of high yielding IIHR Yard Long bean variety <i>Arka Mangala</i>	05	02	03	00	Use of local variety	High yielding IIHR Yard Long bean variety <i>Arka Mangala</i>	IIHR Bengaluru

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
2	Introduction of high yielding IIHR Yard Long bean variety <i>Arka Mangala</i>	Arka Mangala seeds Arka Microbial Consortium Vegetable special Total amount: 32,000	Yield	q/ha	No of pods	No's	BCR	Ratio

FLD: 3. Introduction of Spine gourd *Arka Neelachal Shanti* – For crop diversification

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	Introduction of Spine gourd <i>Arka Neelachal Shanti</i> – For crop diversification	Introduction of High yielding varieties	Vegetable crop	Spine gourd	<i>Arka Neelachal Shanti</i>	Protective irrigation	05	-	Summer 2019	Paddy

SN	Title	Male	Female	Farmers Practice	Recommended Practice
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		Others	SC/ST	Others	SC/ST			Source of Technology Recommended Practice
1	2	10	11	12	13	14	15	16
3	Introduction of Spine gourd Arka Neelachal Shanti – For crop diversification	03	00	02	00	-	Introduction of Spine gourd Arka Neelachal Shanti	IIHR Bengaluru

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
3	Introduction of Spine gourd Arka Neelachal Shanti – For crop diversification	Rooted cuttings IIHR Vegetable special Arka Microbial Consortium Total amount: 25,000	Yield	q/ha	Fruit No's	No's/plant	BCR	Ratio

FLD: 4. Integrated Crop Management in Coffee

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 Coffee	Integrated Nutrient Management	Commercial crop	Coffee	S-274	Protective irrigation	10	10.0	Kharif 2018	-

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 Coffee	08	00	02	00	Imbalanced fertilizer application	Soil Test based fertilizer application and Blossom and backing irrigation, Shade	CCRI Balehonnuru

							Management, Drenching of PGPR, Application of Lime and Bush management	
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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	Integrated Crop Management in Coffee	Soil Test charges 2 times PGPR (AMC) Total amount: 29,000	Yield	q/ha	soil test parameters	Pre and Post Nutrient status	Out turn	%

FLD: 5. Integrated Crop Management in Chilli hybrid *Arka Meghana*

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
5	Integrated Crop Management in Chilli hybrid <i>Arka Meghana</i>	Integrated Crop Management	Vegetable crop	Chilli	<i>Arka Meghana</i>	Protective irrigation	10	1.0	Summer 2019	-

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
5	Integrated Crop Management in Chilli hybrid <i>Arka Meghana</i>	06	02	02	00	Low yield	Chilli hybrid - <i>Arka Meghana</i>	IIHR, Bengaluru

SN	Title	Critical Inputs Provided &	Primary	Primary	Secondary	Secondary	Secondary	Secondary
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1	2	Total Amount (DBT)	Parameter	Parameter Unit	Parameter1	Parameter Unit1	Parameter2	Parameter Unit2
1	2	17	18	19	20	21	22	23
5	Integrated Crop Management in Chilli hybrid Arka Meghana	Chilli seeds Arka Meghana Arka Microbial Consortium IIHR Vegetable special Pro trays Total amount: 43,500	Yield	q/ha	Plant height	cm	Green fruits per plant	No.

FLD: 6. Integrated Pest and Disease management in Black Pepper

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
6	Integrated Pest and Disease management in Black Pepper	Integrated Pest and Disease management	Spice Crop	Black Pepper	Panniyur-1	Rain fed /Protective irrigation	10	1.0	Kharif 2018	Black Pepper

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
6	Integrated Pest and Disease management in Black Pepper	06	00	04	00	Foot rot disease, Slow wilt and Mealy bug infestation	<ul style="list-style-type: none"> Drenching of Imidacloprid 0.5 ml per lit. during May and September Spraying of Potassium Phosphonate 3ml per lit.during June and September Drenching of AMC 20 gm per lit.(5-6 lit per plant) during June and October Soil application of <i>Pachonia chlamydosporia</i> enriched with FYM 	IISR, Calicut

SN	Title	Critical Inputs Provided & Total Amount (DBT)	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
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1	2	17	18	19	20	21	22	23
6	Integrated Pest and Disease management in Black Pepper	Arka Microbial Consortium Potassium Phosphonate Imidacloprid <i>Pachonia chlamydosporia</i> Total amount: 56,200	Yield	q/ha	Foot rot Disease incidence	%	Yellowing	%

FLD: 7. Integrated Pest and Disease management in Cucumber

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 Pest and Disease management in Cucumber	Integrated Pest and Disease management	Vegetable Crop	Cucumber	Local	Rain fed /Protective irrigation	10	0.5	Rabi 2018	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
7	Integrated Pest and Disease management in Cucumber	08	00	02	00	-	<ul style="list-style-type: none"> Erecting of Fruit fly traps 4 no. per acre (Cuelure) Spraying of Hexaconazole (1.0 ml/lit) Drenching of Arka Microbial Consortium 10 gm per lit 	IIHR, Bengaluru

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	Integrated Pest and Disease	Cuelure	Yield	q/ha	Fruit flies	No.	PDI	%

	management in Cucumber	Arka Microbial Consortium Hexaconazole Total amount: 49,000			trapped per trap per month			
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7.B.2. Livestock

FLD:1. Demonstration of Fodder cafeteria with Hybrid Napier- DHN-6 and Multi cut Fodder Sorghum-COFS-31

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 bank with Hybrid Napier- DHN-6 and Multi cut Fodder Sorghum-COFS-31	Fodder	Fodder	Fodder Bank	05	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
1	Demonstration of Fodder bank with Hybrid Napier- DHN-6 and Multi cut Fodder Sorghum-COFS-31	05	00	00	00	Use of local fodder	<ul style="list-style-type: none"> Hybrid Napier variety- DHN-6 Multi cut fodder sorghum grass- COFS-31 	UAS-D & TNAU, Coimbatore

SN	Title	Critical Inputs Provided & Total	Primary Parameter	Primary Parameter	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter
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		Amount (DBT)		Unit				Unit2
1	2	17	18	19	20	21	22	23
1	Demonstration of Fodder bank with Hybrid Napier- DHN-6 and Multi cut Fodder Sorghum-COFS-31	DHN-6 Multi cut Fodder Sorghum-COFS-31 Total amount: 30,000	Green Fodder yield	t/ha	Plant Height	cm	Tillers	No.

FLD: 2. Composite Fish Culture in IFS plot

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
2	Composite Fish Culture in IFS plot	Composite Fish Culture	Fishery	Fishery	05	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
2	Composite Fish Culture in IFS plot	05	00	00	00	-	• Stocking of Grass carp : Rohu: Silver Carp (6:3:1)	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	17	18	19	20	21	22	23
2	Composite Fish Culture in IFS plot	Grass carp : Rohu: Silver Carp (6:3:1) Total amount: 50,000	Yield	t/ha	Body weight	gm	BCR	Ratio

FLD: 3. Integrated approaches to reduce Piglet mortality at the age of weaning (2-3 Month age)

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
3	Integrated approaches to reduce Piglet mortality at the age of weaning (2-3 Month age)	Disease Management	Piggery	Pigs	05	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
3	Integrated approaches to reduce Piglet mortality at the age of weaning (2-3 Month age)	05	00	00	00	-	<ul style="list-style-type: none"> Supplementation of Syp. Ferrous Sulphate @ 2.5 g/ Piglet/day days from day 4 age till 30 days Supplementation of Syp. Calcium borogluconate @ 10ml/piglet/day till 60 days of age Deworming with Albendazole @ 250mg/piglet at the age of 15 days and 45 days Naval cord treatment immediately after delivery with Tincture Iodine. Providing Artificial heat to reduce cold shock and death 	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	17	18	19	20	21	22	23
3	Integrated approaches to	<ul style="list-style-type: none"> Syp. Ferrous Sulphate Syp. Calcium 	Litter Size at	No.	Litter Weight at	kg	mortality	%

	reduce Piglet mortality at the age of weaning (2-3 Month age)	borogluconate • Syp.Albendazole • Tincture Iodine. Total amount: 20,000	Weaning		Weaning			
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7. B.3. Enterprise: Nil

7. B.4. Farm Implement: Nil

B. Trainings

SN	Training Category (OFT/ FLD/Both)	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/ Vocational/ Sponsored/ Rural youth	On/Off	General Rural Youth	03	<ul style="list-style-type: none"> • Nutrient management in Paddy • ICM in Paddy 	Production management
2	Both	Regular/ Vocational/ Sponsored/ Rural youth	On/Off	General Rural Youth	03	<ul style="list-style-type: none"> • Integrated Nutrient management in Cassava • ICM in Black Pepper • ICM in Bitter gourd • ICM in Chilli • Integrated Nutrient management in Coffee • ICM in French bean • ICM in Yard Long Bean 	Production management and Varietal introduction
3	Both	Regular/ Vocational/ Sponsored/ Rural youth	On/Off	General Rural Youth	03	<ul style="list-style-type: none"> • Integrated Pest Management in Black Pepper • Integrated Pest Management in Vegetables • Integrated Pest Management in Paddy 	Integrated Pest Management

						<ul style="list-style-type: none"> • IPDM in Chilli • IPDM in Ginger 	
4	FLD	Regular/ Vocational/ Sponsored/ Rural youth	On/Off	General Rural Youth	03	<ul style="list-style-type: none"> • Effective treatment for controlling milk fever in milch cows • Introduction of effective ectoparasiticide for control of ticks and lice in milch cows • Fodder cultivation • Scientific Piggery rearing • Disease management in dairy animals 	Livestock management
5	FLD	Extension	On	Extension	03	<ul style="list-style-type: none"> • Scientific Piggery rearing 	Production management

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	Production management	Y	-	-	-	95	15	20	15
2	Production management and Varietal introduction	Y	-	-	-	502	489	75	25
3	Integrated Pest Management	Y	-	-	-	358	402	20	10
4	Livestock management	Y	-	-	-	252	150	10	15
5	Production management in Livestock	Y	-	-	-	15	25	00	00

D. Extension programme

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
1.	Advisory over Phone	5300	6250	350
2.	Bi-Monthly meeting	06	00	390
3.	Celebration of Day	06	365	60
4.	Diagnostic visit	88	60	15
5.	Exhibition	05	1500	25

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
6.	Exposure Visit	03	150	10
7.	Ex-trainees Samelan	05	250	10
8.	Extension Literature	05	00	00
9.	Farmers Science conveners meeting	02	200	15
10.	Farmer /Extension personnel visit to KVK	12	2750	45
11.	Farmers Seminar/ Workshop	05	600	50
12.	Field day	14	1450	25
13.	Film Show	05	500	15
14.	Formation of SHGs	02	50	00
15.	Group Meeting	14	70	10
16.	Kisan Ghosti	05	820	10
17.	Kisan Mela	02	300	10
18.	Lecture delivered as resource person	78	3000	25
19.	Method demonstration	14	430	10
20.	News paper coverage	25	00	00
21.	No. of animals treated	150	75	05
22.	Popular arterials	08	00	00
23.	Radio talk	20	00	00
24.	Scientist visit to Farmers Field	85	190	25
25.	SHC campaign	02	100	06
26.	SHG meeting	05	150	05
27.	Technical Reports	05	00	00
28.	TV Talk	03	00	00
Total		5874	19260	1116

8. Activities proposed

A. Mobile Advisory Services

Message Type	Crops	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Text	25	05	05	05	10	10	60
Voice	10	05	01	02	05	05	28

Total	35	10	06	7	15	15	88
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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)			
Coffee	-	20000	160000	75000	85000
Black pepper	-	12000	90000	40000	50000
Areca nut	-	3000	45000	18000	27000

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)			
AMC	15000	-	1500000	550000	950000
Mushroom spawn	900 kg	-	97500	42000	25500

D. Home Care Production:Nil

E. Livestock

Name of Livestock	To be Produced (Nos) (Target)	Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
Piglets	85	297500	135000	162500
Goatkids	15	22500	10000	12500
Poultry birds	1200	36000	19000	17000
Dairy Calves	2	20000	6000	14000

F. Farm Production

Name of Farm Produce	To be Produced			Net returns (Rs)
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	Product (kg)	Others (Nos)	Expected income (Rs)	Expected expenditure (Rs)	
Coffee	3000 cherry	-	76000	180000	104000
Black pepper	1125	-	45000	393750	348750
Sapota	8333	-	30000	90000	60000
Areca nut	3000 kg	-	16000	85000	69000
Tender Coconut	9000 no.	-	15000	95000	80000

G. Publication / Literature

Item Name	Title	Author/s Name	No. of circulation
Technical bulletin	District crop economics	Prabhakar, B and Saju George	100
Technical bulletin	Scope for crop diversification of coffee orchards with Future fruit crops	Prabhakar, B and Saju George	100
Extension folder	Production technology of Chilli	Prabhakar, B and Saju George	200
Extension folder	Nutrition garden	Prabhakar, B and Saju George	200
Technical bulletin	Production technology of tuber crops	Dr. Somshekar and Saju George	200
Technical bulletin	Organic inputs for sustainable disease management	Veerendra kumar, K. V.	200
Manual	Livestock of Kodagu	Dr. Suresh, S.C.	200
Total			1200

H. Electronic Media

Media Type	Title	No. circulation	Developed by
Video documentation	Success story – Mechanization in Paddy	50	KVK
	Success story – FPCL	50	KVK

I. 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	1000	1	250000	150000	100000
Water	-	-	-	-	-

Plant	-	-	-	-	-
Others	-	-	-	-	-

No. of SHC to be distributed: 1000

J. News letter

Name	To be issue	No. of Soft copies to be issue	No. of hard copies to be issue
April -June	150	100	50
July – Sept.	150	100	50
Oct - Dec	150	100	50
Jan - March	150	100	50

K. Technology Week

Proposed Date	No. of agencies to be linked	Qty. Seeds supply	Qty. Planting material supply	Qty. bio products supply
October	10	50 kg	25000	5000 kg

L. Proposed Projects

Project Name	Role of KVK	Duration	Project Outlay (Rs)	Additional Man Power to be planned
Horticulture crops Planting material production	Production and sale of quality planting material	3 year	2500000	2
DAESI	NTI	1 year	800000	1

M. Farmer's Field School planned

Thematic area	Title of the FFS	Budget proposed in Rs.	No. of farmers
IPDM	IPDM in Paddy	30000	20

N. E-linkage

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

O. 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	1	Feb	2.0	Coffee	3000 cherry	76000	180000	104000
2	2	March	0.4	Black pepper	1125	45000	393750	348750
3	3	October-February	2.0	Sapota	8333	30000	90000	60000
4	4	December	0.4	Arecanut	3000 kg	16000	85000	69000
5	5	October-June	0.8	Tender Coconut	9000 no.	15000	95000	80000

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

Q. Plan of other activities

SN	Proposed activities	Expected expenditure (Rs)	Expected income (Rs)	Net Returns (Rs)	Name of the team members involved
	Ornamental nursery	100000	150000	50000	Prabhakara, B

R. Innovative Farmer's Meet

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

10. Organic Farming : Nil

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	Others	Regular	On/off	General	01	Organic vegetable cultivation	Organic
2	Both	Regular	On/off	General	01	Use of Bio control agents for plant disease management	Disease management

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	Residue free	y	ATARI	-	5000	12	05	02	02
2	Organici farming	y	ATARI	-	5000	20	05	5	5

D. Extension programme related to organic farming

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
29.	Advisory over Phone	20	40	08
30.	Bi-Monthly meeting	04	12	08
31.	Celebration of Day	01	20	12
32.	Diagnostic visit	05	12	06
33.	Exhibition	01	40	12
34.	Exposure Visit	03	18	06

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
35.	Ex-trainees Samelan	01	02	03
36.	Extension Literature	02	-	-
37.	Farmers Science conveners meeting	01	12	03
38.	Farmer /Extension personnel visit to KVK	100	130	25
39.	Farmers Seminar/ Workshop	02	100	06
40.	Field day	03	90	12
41.	Film Show	18	150	16
42.	Formation of SHGs	01	15	-
43.	Group Meeting	12	40	06
44.	Kisan Ghosti	01	60	06
45.	Kisan Mela	01	25	12
46.	Lecture delivered as resource person	15	250	32
47.	Method demonstration	10	90	06
48.	News paper coverage	06	-	-
49.	No. of animals treated	03	40	05
50.	Popular arterials	03	-	-
51.	Radio talk	05	-	-
52.	Scientist visit to Farmers Field	35	60	10
53.	SHC campaign	03	60	12
54.	SHG meeting	03	45	6
55.	Technical Reports	10	-	-
56.	TV Talk	02	-	-
57.	Other- Specify			
Total				

E. Organic Certification is planned? If Yes Details Yes

F. Any other activity related to Organic farming. Pl specify. Organic input production- AMC, Compost, Vermicompost, Neem soap, Pheramone traps

11. Swachh Barat Abiyan

Activity	Month	Details	No. of Participants/ Farmers
02	Oct-Jan	Public space	60

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
6245111	2374365	2965189	6835935

B. Details of budget utilization (2017-18) up to March, 2018

S.N	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	119.82	119.82	10291792
2	Traveling allowances	1.75	1.75	1.75
3	Contingencies			
A	Stationery	3.50	3.50	3.50
B	POL, repair of vehicles, tractor and equipments	2.80	2.80	2.80
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.05	1.05	1.05
D	Training material	0.60	0.60	0.60
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.05	3.05	3.05
F	On farm testing	0.70	0.70	0.70
	Training of Extension Activities	1.70	1.70	1.70
G	Training of extension functionaries	0.25	0.25	0.25
H	IFS	0.50	0.50	0.50
I	FFS	0.30	0.30	0.30
J	EDP	0.60	0.60	0.60

K	Farmers conclave, KVK conference	0.75	0.75	0.75
L	Maintenance of buildings	2.05	2.05	2.05
M	Establishment of Soil, Plant & Water Testing Laboratory	0.35	0.35	0.35
N	Library	0.05	0.05	0.05
O	Video production	0.60	0.60	0.60
TOTAL (A)		18.85		
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)		140.42		11548103

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

S. No.	Particulars	BE 2018-19 proposed
A. Recurring Contingencies		
1	Pay & Allowances	136.80
2	Traveling allowances	2.50
3	Contingencies	139.3
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.50
B	POL, repair of vehicles, tractor and equipments	3.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00
D	Training material	1.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.72
F	On farm testing	1.12
	Training of Extension Activities	1.40
G	Training of extension functionaries	0.50
H	IFS	0.50

I	FFS	0.50
J	EDP	0.30
K	Display Boards	0.50
L	Maintenance of buildings	2.50
M	Establishment of Soil, Plant & Water Testing Laboratory	0.50
N	Library	0.10
O	Doubling of Farmers Income	1.68
TOTAL (A)		21.57
B. Non-Recurring Contingencies		
1	Works	10.00
2	Equipments including SWTL & Furniture	5.00
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00
4	Library (Purchase of assets like books & journals)	0.10
TOTAL (B)		15.1
C. REVOLVING FUND		
GRAND TOTAL (A+B+C)		175.97