ICAR-KRISHI VIGYAN KENDRA, DAVANAGERE

ACTION PLAN OF KVK, DAVANAGERE FOR 2016-17

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	:	**ICAR- Krishi Vigyan Kendra** Kadalivana, LIC Colony Layout, BIET College Road, DAVANAGERE-577004, Karnataka Phone : 08192-263462, Fax : 08192-260969 E-Mail : dvgtkvk@yahoo.com
1.2	Name and address of host organization	:	Taralabalu Rural Development Foundation SIRIGRE-577541, Chitradurga District
1.3	Year of sanction	:	2004-05
1.4	Website address of KVK and date of last update		Website : taralabalukvk.com

2. Details of staff as on date

				If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Discipline**	**Current Pay Band**	**Current Grade Pay**	**Date of joining**	
2.1	Senior Scientist-Cum-Head	Dr.Devaraja T N	Fishery	37400-67000 PB-4	9000	17-05-2005	Permanent
2.2	Subject Matter Specialist	Mr.Basavanagowda M G	Horticulture	15600-39100 PB-3	5400	21-11-2006	Permanent
2.3	Subject Matter Specialist	Mr.Mallikarjuna B O	Agronomy	15600-39100 PB-3	5400	09-01-2008	Permanent
2.4	Subject Matter Specialist	Dr.Jayadevappa G K	Animal Science	15600-39100 PB-3	5400	29-01-2008	Permanent
2.5	Subject Matter Specialist	Mr.Raghuraja J	Agri. Extn.	15600-39100 PB-3	5400	23-06-2008	Permanent
2.6	Subject Matter Specialist	Mr.Prasannakumar N	Plant Protection	15600-39100 PB-3	5400	24-06-2008	Permanent
2.7	Subject Matter Specialist	Mr.HM Sannagoudra	Soil Science	15600-39100 PB-3	5400	01-07-2013	Permanent
2.8	Programme Assistant	Mr.Revanasiddappa G B P	Lab.Technician	9300-34800 PB-2	4200	11-04-2012	Permanent
2.9	Computer Programmer	Mr.Santhosh B	Computer	9300-34800 PB-2	4200	05-09-2008	Permanent
2.10	Farm Manager	Mr.Vijayakumar S B	Farm Manager	9300-34800 PB-2	4200	23-06-2008	Permanent
2.11	Accountant/Superintendent	Mr.Mallikarjuna S Gudihindala	Administration	9300-34800 PB-2	4200	01-06-2005	Permanent
2.12	Stenographer	Smt Mamatha H Melmalagi	Administration	5200-20200 PB-1	2400	27-06-2005	Permanent
2.13	Driver 1	Mr.Marulasiddaiah NM	Jeep	5200-20200 PB-1	2000	01-06-2005	Permanent
2.14	Driver 2	Mr.Shivakumar S	Tractor	5200-20200 PB-1	2000	01-06-2005	Permanent
2.15	Supporting staff 1	Mr.Shivakumar B	Office Attendant	5200-20200 PB-1	1800	01-06-2005	Permanent
2.16	Supporting staff 2	Mr.Shivakumar S E	Farm Attendant	5200-20200 PB-1	1800	01-06-2005	Permanent

3. Details of SAC meeting conducted during 2015-16

Sl. No	Date	Major recommendations	Status of action taken in brief	Tentative date of SAC meeting proposed during 2016-17
1	2	3	4	5
3.1	15-12-2015	**Group-I : To be addressed at KVK level**	**On going**	**December – 2016**
		Popularize safe ripening technology in Banana.		
		Popularize urea treated fodder enrichment technology.		
		Interventions on soil fertility improvement like crop rotation, green manuring etc.		
		Offer farm advisories/solutions/recommendations through a flag to the farmer fields affected by pests/diseases if come across on the way during the field.		
		Collect observations and data on component wise in IFS demonstrations.		
		Document data on performance of technology products purchased from KVK.		
		Provide feed-back (socio-economic and technical constraints) on technological interventions of KVK especially results on OFTs/FLDs to the respective source organization.		
		Disseminate information on various schemes implemented by state department of agriculture, horticulture, engineering, fisheries, animal husbandry etc in the form of leaflet among KVK clientele.		
		Prepare Compendium on OFT's and FLD's carried out by KVK since its inception.		
		Arrange visits for farmers of other villages in the district of Davanagere to NICRA Project village.		
		Promote Azolla production using rain water rather than bore well or from other sources.		
		Group-II : To be addressed through action plan of KVK for the year 2016-17		
		Take up ICM in Redgram.		
		Introduce suitable intercrop in sole Banana crop and Arecanut gardens.		
		Suitable intervention to promote millet crops in the district.		
		Intervention on mechanization and aerobic method in Paddy for selected farmers.		
		Issue soil health cards.		
		Involve in carrying suitable home science activities especially for Women Self Help Groups through SMSs (Home Science) from neighboring KVKs.		
		Address anabe roaga and stem bleeding in Coconut and Arecanut.		

1	2	3	4	5
3.1	--	Promote dry banana technology.	**On going**	
		Increase technological interventions under crops like Maize, Finger millet, Jowar, Pulses, Oilseeds crops.		
		Take up integrated methods to control ticks.		
		Group-III : To be addressed through convergence with line Departments in Davanagare district		
		Promote Floriculture, Green house and Polyhouse technologies.		
		Use media (Radio and TV) more for quick dissemination of technology information among farmers, stakeholders and intended clientele.		
		Provide information on marketing aspects to farmers and if possible involve personnel from marketing agencies (APMC).		
		Promote solar energy in agriculture especially in bore wells to address electricity problems.		
		Encourage participatory approaches like FPO's instead of individual farmer benefit.		
		Optimum use of artificial insemination technology.		
		Develop CHC in Siddanuru village with the help of line departments.		
		Popularize terrace garden through trainings under line departments.		
		Demonstrate onion drill sowing machine technology with the help of line departments.		
		Promote crop rotation in polyhouses sanctioned/implemented under line departments.		
		Introduce appropriate IIHR technologies under horticulture crops in Davanagere district.		
		Replicate AIR, Mysore and NABARD programme **"ಮರಳಿ ಬಾ ಮಣ್ಣಿಗೆ"** (Get back to the roots) in Davanagere.		
		Promote Apiculture on EDP mode through vocational training sponsored by line departments.		

4. Capacity Building of KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2016-17

S. No	New Areas of Training	Institution proposed to attend	Justification
4.1.1	Improved production technology in pulse production	ICAR	International pulse year and pulse productivity is very low, to increase its production and productivity
4.1.2	Climate Resilient Management techniques under dry land agriculture	ICRISAT, Hyderabad	KVK comes under central dry zone and NICRA activities are going on and required to upgrade knowledge.
4.1.3	Advanced level training in soil testing	Indian Agricultural Research Institute, New Delhi	To strengthen soil and water testing laboratory
4.1.4	IPDM in oilseed and pulses	DOR, Hyderabad	To know knowledge about IPDM practices
4.1.5	Strategies for Promoting Farmers producer Organization	National Academy of Agriculture Research Management (NAARM), Hyderabad	To get more knowledge on management strategies for newly formed FPO's of the district.
4.1.6	Changing Methodological Paradigm in Extension Research	ICAR under CAFT programmes	To conduct impact studies of KVK activities using appropriate statistical tools to draw meaningful conclusions.
4.1.7	Managerial skills for convergence in agricultural extension	MANAGE, Hyderabad	For better KVK management.

4.2. Cross-learning across KVKs during 2016-17

S. No	Name of the KVK proposed		Specific learning areas
4.2.1	**Within ring**	Krishi Vigyan Kendra, Hassan	Animal science activities, Soil Science
		Krishi Vigyan Kendra, Kodagu	Documentation, Horticulture activities, Animal science activities
		Krishi Vigyan Kendra, Shimoga	Protected cultivation of vegetables
4.2.2	**Within the zone**	Krishi Vigyan Kendra, Pattanamthitta	Secondary Agriculture and Animal Science activities
		Krishi Vigyan Kendra, Erode, & Krishi Vigyan Kendra, Pondicherry	SHG activities, Precision farming
4.2.3	**Outside zone**	Krishi Vigyan Kendra, West Godavari	NICRA Activities

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2016-17

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
5.1	KVK Shivamogga	Fish seeds, Fodder slips	Seeds, Seedlings, Farm Machinery and secondary agriculture
5.2	KVK Tumkur	NICRA activities	Seeds / Seedlings, NICRA activities
5.3	KVK Chitradurga	Banana special, Animal science expertise	Pulses technologies, Soil Science activities

6. Operational areas details proposed during 2016-17

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1	**2**	**3**	**4**	**5**	**6**
6.1	Finger millet	• Low yield • Non- availability of HYV • No seed treatment with bio-fertilizers	5,000 ha	**Chigateri Cluster** Chigatere Kadabagere Bennehalli Hunsehalli	• FLD • Group discussion • Training • Field visit • Field day • Method Demonstration
6.2	Foxtail millet (Navane)	• Low yield • Non- availability of HYV • No seed treatment with bio-fertilizers	300 ha	**Chigateri Cluster** Chigateri Bennehalli	• OFT • Group discussion • Training • Field visit • Field day • Method Demonstration

1	2	3	4	5	6
6.3	Groundnut	• Low yield • No seed treatment with Bio fertilizers • Non-availability of HY varieties. • Poor / Non availability of green fodder. • Improper nutrient management • Tikka leaf spot, Root rot	5000 ha	**Chigateri Cluster**	• FLD • Group discussion • Training • Field visit • Field day
6.4	Bengal gram	• Low yield • No seed treatment with Bio fertilizers • Non-availability of HY varieties. • Improper nutrient management • Pod borer, Wilt	7000ha	**Chigateri Cluster** Kadabagere Chigateri	• FLD/OFT • Group discussion • Training • Field visit • Field day
6.5	Field bean	• Low yield • No seed treatment with Bio fertilizers • Non-availability of HY varieties. • Improper nutrient management • Pod borer	500 ha	**Kodaganur Cluster** Kodaganur Siddanuru Mayakonda	• FLD • Group discussion • Training • Field visit • Field day
6.6	Cotton	• Improper nutrient management • Square dropping • Leaf reddening • Improper spacing • Sucking pest	5500 ha	**Bilichodu & Chigateri cluster:** Mushtooru, Kadabagere	• FLD • Training • Diagnostic • Group discussion • Field visit • Field day

1	2	3	4	5	6
6.7	Sorghum	• Imbalanced nutrient management • Soil moisture stress • Rust • Stem borer	2000ha	**Malligenahalli Cluster:** Dodderahalli	• FLD • Training • Diagnostic • Group discussion • Field visit • Field day
6.8	Black gram	• Improper Nutrient Management • Single crop per year • Mono cropping • Micronutrient deficiency	300 ha	**Malligenahalli Cluster:** Govinakovi	• FLD • Training • Diagnostic • Group discussion • Field visit • Field day
6.9	Paddy	• Low yield • No seed treatment • Incidence of blast, stem borer, sheath blight and brown plant hopper	20000	**Kondajji Cluster** Palmenahally chikabidare Saarathi	• FLD • Group discussion • Training • Field visit • Method Demonstration • Field day
6.10	Maize	• Low yield • No seed treatment with biofertilizers • Incidence of stem borer and turcicum leaf blight	25000	**Kodaganur Cluster** Haluvarthy Mayakonda Yegne	• FLD • Group discussion • Training • Field visit • Method Demonstration • Field day
6.11	Redgram	• Low yield • No seed treatment with biofertilizers • Use of local varieties • Incidence of pod borer & wilt	2000	**Kodaganur Cluster** Haluvarthy Mayakonda	• FLD • Group discussion • Training • Field visit • Method Demonstration • Field day
6.12	Sunflower	• Low yield • No use of $ZnSO_4$ and boron • Higher incidence of bud necrosis and head borer	250	**Chigatari Cluster** Mydur Nandibevur tandya	• FLD • Group discussion • Training • Field visit • Method Demonstration • Field day

1	2	3	4	5	6
6.13	Banana	• Low yield • Incidence of Banana Skipper	425	**Kodaganur Cluster:** Halebisaleri Elebetur	• OFT • Training • Method Demonstration • Field visit • Field day
6.14	Mango	• Low Yield	4168 ha	**Santhebennur cluster:** Doddabbigere	• FLD • Training • Method Demonstration • Field visit • Field day
6.15	Onion	• Low yield	5340 ha	**Malligenahalli Cluster:** Belagutti Rameshwara **Kadabagere Cluster:** Hosakote	• FLD • OFT • Training • Method Demonstration • Field day
6.16	Coconut	• Mono cropping • Non use of interspace • Low income	2189 ha	**Kodaganur Cluster:** Shyagale	• OFT • Training • Method Demonstration • Field day
6.17	China Aster	• Low yield potential of existing crops • Lesser area under cultivation	28 ha	**Kodaganur Cluster:** Shyagale	• FLD • Training • Method Demonstration • Field day
6.18	Marigold	• No remunerative flower crop for existing Areca gardens	1047 ha	**Malligenahalli Cluster:** Belagutti Rameshwara	• FLD • Training • Method Demonstration • Field day
6.19	Rearing Crossbred Cattle and Buffaloes.	• Low milk production, repeat breeding & weakness in Crossbred cattle. • Clean and Quality milk production.	>60,000 animals	**Kodaganur Cluster** Davanagere Taluk & **Kuremaganahalli Cluster** Harapanahalli Taluk	• FLD • Training • Extension activity.

1	2	3	4	5	6
6.20	Rearing of Small Ruminants like Sheep & Goats.	• Lower body weight gain due to under nutrition and parasitic infestation. • Infectious and Contagious diseases in small ruminants.	>3,00,000 animals	**Chigateri Cluster** Harapanahalli Taluk	• FLD • Training • Extension activity.
6.21	Rearing of local poultry birds.	• Lower body gain & Less numbers of eggs in Poultry birds.	>1,50,000 birds	**Kodaganur Cluster** Davanagere Taluk	• Training and Extension activity.
6.22	Cultivation of Napier X fodder varieties	• Lower nutrients yield, Palatability is less at maturity stage leading to rejection of fodder, high content of oxalic acid.	>500 hactares	**Kodaganur Cluster** Davanagere Taluk	• OFT • FLD • Training • Extension activity
6.23	Fisheries	• Low yield & income	--	**Kodaganur Cluster** Davanagere taluk	• FLD • Training • Extension activity

7. Technology Assessment during 2016-17

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology
7.1	Foxtail millet	• Low yielding varieties • No seed treatment with biofertlizers • Susceptible to stress condition • Susceptible to pest and diseases	Assessment of foxtail millet varieties for higher yield under rainfed	T1 : Farmer practices-Local variety (Bommanahalli local)	-
				T2: SIA-2644 Biofertilizers- *Azospirillum*, PSB and VAM @ 500g Foliar spray 19:19:19 at 40 DAS	UAS, Raichur
				T2 : HMT-100-1 Biofertilizers- *Azospirillum*, PSB and VAM @ 500g Foliar spray 19:19:19 at 40 DAS	UAS, Dharawad

Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
T1:- Local Variety (Bommanahalli local)	--	--	03	--	• Germination (%) • Plant height (cm) • Panicle length (cm) • Yield (q/ha)	SMS (Agronomy, Plant Protection, Soil Science) & SSH
T2: SIA-2644 seeds *Azosprillum*, PSB and VAM @ 4g/kg Foliar spray 19:19:19 at 40 DAS	4 kg 1.5 kg 1 kg	200-00 150-00 130-00	03	1440-00		
T3 : HMT-101 Biofertilizers *Azospirillum*, VAM and PSB @ 4g/kg Foliar spray 19:19:19 at 40 DAS	4kg 1.5 kg 1 kg	200-00 150-00 130-00	03	1440-00		
		960-00		**2880-00**		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology
7.2	Bengalgram	• Low yielding varieties • No seed treatment with bio-fertilizers • Wilt	Assessment of Bengalgram varieties for wilt and drought tolerance	T1 : JG-11- Farmers' Practice	UAS(B)
				T2: GBM – 32 variety (Wilt resistant, suitable for mechanical harvesting)	UAS (R)
				T3 : JAKI – 9218 variety (Tolerant) to wilt & drought),	JNKVV & ICRISAT, 2009

Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
T1: JG – 11 • Seeds • *Rhizobium* and PSB (500g + 500g) • *Trichoderma* (4g/kg of seeds) • Traps and Lure • Pulse magic	 13 kg 01 kg 0.25 kg 3 No. 01 kg	 845-00 100-00 50-00 400-00 200-00	03	4785-00	• No. of pod/plant • 100 seeds weight (Test weight) • Wilt incidence (%) • Yield (q/ha)	SMS (Agronomy, Plant Protection, Soil Science) and SS&H
T2: GBM-32 • Seeds • *Rhizobium* and PSB (500g + 500g) • *Trichoderma* (4g/kg of seeds) • Traps and Lure • Pulse magic	 13 kg 01 kg 0.25 kg 3 No. 01 kg	 845-00 100-00 50-00 400-00 200-00	03	4785-00		
T3 : JAKI – 9218 • Seeds • *Rhizobium* & PSB (500g + 500g) • *Trichoderma* (4g/kg of seeds) • Traps and Lures • Pulse magic	 13 kg 01 kg 0.25 kg 3 No 01 kg	 845-00 100-00 50-00 400-00 200-00	03	4785-00		
		4785-00		**14355-00**		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology
7.3	Banana	• Low Yield	Assessment of different molecules for Banana Skipper management	T_1: Spraying with Chloropyriphos @ 2 ml /L	--
				T_2: Spraying with Flubediamide 480 SC @0.25ml/l	UAS (B) for Paddy Leaf Folder
				T_3: Spraying Chlorantraniliprole (Coragen 18.5 SC) @ 0.3ml/l	KAU for Paddy Leaf Folder

Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
T1: Farmers practice	--	--	03	--	• Larval mortality (%) • Freshly damaged leaves @ 15 & 30 DAS (%)	SMS (Plant Protection, Horticulture) & SSH
T2: Flubendiamide	25 ml	475-00	03	1425-00		
T3: Chlorantraniliprole (Coragen 18.5SC)	30 ml	525-00	03	1575-00		
Total		1000-00		**3000-00**		

No. of farmers: 03 **No. of plants:** 900

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology
7.4	Coconut	• Monocropping • No appropriate use of space • Low income	Flowers as Intercrop in Coconut Garden for additional income.	T1: Monocropping (2 guntas)	--
				T2: Coconut + Marigold (2 guntas)	UHSB
				T3: Coconut + China Aster (2 guntas)	CPCRI
				T4: Coconut + Chrysanthamum (2 guntas)	CPCRI

Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
T1: Farmers practice	--	--	02	--	• Growth parameters • No. of flowers • Weight of flowers/plant • Economics	SMS(Horticulture, Plant Protection) & SSH
T2: Marigold seedlings	1452	2904-00	02	5808-00		
T3: China aster seedlings	1452	2904-00	02	5808-00		
T4: Chrysanthamum seedlings	1090	2190-00	02	4380-00		
Total		**7998-00**		**15996-00**		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology
7.5	Onion	• Imbalanced nutrient management • Small bulb • Less pungency	Role of sulphur in improving the productivity of onion	T_1 –Application of 100:75:20 kg N:P:K/ha along with FYM	Farmers practice
				T_2 – RDF (125:50:125 Kg N:P:K/ha) along with FYM	UAS (B)
				T3- RDF (125:50:125 Kg N:P:K/ha) along with FYM and 45kg sulphur through elemental sulphur	DOGR, Pune

Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
T_1: *Azospirillum* PSB	0.5 kg 0.5 kg	50-00 50-00	5	500-00	• Size of the bulb • Weight of bulb • Yield	SMS (Soil Science, Horticulture)
T_2 : *Azospirillum* PSB	0.5 kg 0.5 kg	50-00 50-00	5	500-00		
T_3 : *Azospirillum* PSB Elemental sulphur	0.5 kg 0.5 kg 10 kg	50-00 50-00 450-00	5	2750-00		
Total		**750-00**		**3750-00**		

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology
7.6	Dairying	• Lower production • Repeat breeding and Infertility problem in dairy animal.	Assessment of benefits of feeding urea treated paddy straw along with grain mixture on the performance of dairy animals.	Feeding dairy animals with paddy straw, brans and cakes.	--
				Feeding animals with Urea-treated paddy straw, compounded feeds along with ASMM	KVAFSU (Bidar)
				Feeding animals with Urea-treated paddy straw along with grain mixture, compounded feeds ASMM, V&M tonic	NIANP (B)

Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
T1: Farmers practice	--	--	05	--	• Milk quality • Animal health condition, • Voluntary Intake of straw by the animal (Fodder wastage)	SMS (Animal Science, Agricultural Extension) & SS&H
T2: Dewormer Area specific Mineral Mix(ASMM)	 3g x 2 No 1 kg x 3 pkts	 120-00 450-00	05	2850-00		
T3: Dewormer Area specific Mineral Mix(ASMM) V&M tonic	3g x 2 No 1 kg X 3 pkts 1 L x 1 can	120-00 450-00 500-00	05	5350-00		
Total		**1640-00**		**8200-00**		

8. Technology Refinement during 2016-17 - Nil

9. Frontline Demonstrations during 2016-17

9.1 Cereal:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	Cereals	Paddy	• Low Yield	**Integrated crop management in paddy with an emphasiss on IPDM practices.** • Seed treatment with Carbendizim @ 4g/kg of seed • Soil application of *Azospirillum*, PSB and VAM @ 2.5 kg • Spraying with neem oil @ 3ml/l in nursery • Clipping of seedlings during transplanting • Leaving one row of gap for every 3-4 m of transplanting. • Removal of weeds around bunds and use of recommended dose of fertilizers. • Soil application of *Pseudomonas fluorescence* @5kg/ha after 30DAS • Installation of funnel traps @10/ha • Drain out excess water immediately after notice of pests. • Need based spray with Trycyclazole, Hexaconazole and Buprafezin	Variety	Kauvey sona	UAS, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Carbendizim *Azospirillum* *Pseudomonas* Funnel traps Scirfo lures Tricyclazole	0.1 kg 1.0 kg 2 kg 4 no s. 8 no.s 100 gm	50-00 100-00 200-00 150-00 150-00 200-00	10	8,500-00	• Soil test before and after • % incidence blast, sheath blight, stem borer. • BPH incidence (No./hill) • Yield (q/ha)	SMS (Plant Protection, Agronomy, Agricultural Extension, Soil Science) & SSH
		850-00		**8,500-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
2	Cereals	Maize	• Low Yield	**Integrated crop management in maize with an emphasis on IPDM practices.** • Seed treatment with *Azospirillum* and *Trichoderma harzianum* @ 0.5kg./ha seeds each • Seed treatment with Imidachloprid 5ml/kg of seed • Growing of legume as intercrop @ 5kg/ha • Spray of atrazine 50 wp @2.5 kg/ha • Collection and burning of infected plants • Soil application of $ZnSO_4$, $FeSO_4$ @ 25 kg each/ha and borax 5kg/ha • Spray with Flubendiamide @ 0.1 ml ml/l and Propiconozol @1ml/l (0.25 l /ha)	Hybrid	Private	UAS, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Azospirillum	0.2 kg	25-00	15	16,500-00	• Plant height (cm) • No. of cobs/plant • Incidence of stem borer and turcicum leaf blight • Yield (q/ha)	SMS (Plant Protection, Agronomy, Soil Science, Agricultural Extension) & SSH
Trichoderma harzianum	0.2 kg	25-00				
Redgram BRG-2	2 kg	200-00				
Imidachloprid	50 ml	100-00				
Flubendiamide	25 ml	400-00				
Propiconozol	0.25 L	350-00				
		1100-00		**16,500-00**		

9.2 Millets:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	Millets	Finger millet	• Low yield	**Demonstration of HYV Finger millet for delayed sowing** • Short duration ML-365 variety. • Seed treatment with bio fertilizers *Azosprillium*, PSB, VAM @ 3 kg • Application of $ZnSO_4$ -3 kg • Use of water soluble fertilizers (at tillering stage) 19 all (1 kg) • Enrichment of fodder with 2 % urea.	Variety	ML-365	UAS, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Seed	5 kg	250-00	25	17,500-00	• Plant height (cm) • No. tillers/hill • No. of fingers/ear • Test weight (g) • Yield (q/ha) • Fodder yield (t/ha)	SMS (Agronomy, PP) SS &H
Bio-fertilizers *Azoprillum*, PSB VAM	3 kg	300-00				
19:19:19	1 kg	150-00				
		700-00		**17,500-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
2	Millets	Sorghum	• Imbalanced nutrient management • Soil moisture stress • Rust • Stem borer	**Integrated crop management in sorghum (SPV-2217).** • Seed treatment with *Azatobactor*, VAM, PSB @ 200g/acre • Seed treatment with Imidachloprid @ 5 ml/kg of seed. • Spraying of 19:19:19 at 30DAS (1kg/ acre) • Application of $ZnSO_4$ – 5kg/acre • Spraying of chlorpyriphos 20EC- **@** 2ml/l	Variety	SPV-2217	UAS, Dharwad

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Seeds SPV-2217 Biofertilizers 19:19:19 spray Chlorpyriphos Hexaconazole	3 kg 3 kg 3 kg 1 L 500ml	150-00 300-00 360-00 350-00 350-00	10	15,100-00	• Size of the head (cm) • Test weight (g) • Yield (q/ha)	SMS (Soil Science, Plant Protection, Agricultural Extension)
		1510-00		**15,100-00**		

9.3 Oilseeds:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	**Oilseeds (NFSM)**	Groundnut	• Low yield	**Integrated crop management in groundnut** • Use of HYV GPBD-4 @ 110 kg/ha • Seed treatment with chlorpyriphos 15ml/kg of seeds (termites and root grub) • Seed treatment and soil application with *Trichoderma* @ 4 g/kg of seed 2 kg/ha • Seed treatment with Rhizobium, PSB @ 2 kg each /ha • Spray with profenophos @ 2ml/liter of water • Spray with confider @ 0.4ml/liter of water	Variety	GPBD-4	UAS, Dharwad

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
GPBD-4 (pods) Chlorpyriphos *Trichoderma* *Rhizobium*, PSB (0.8kg each) Profenophos Confidor	40 kg 0.5 L 0.8 kg 1.6 kg 0.50 L 0.08 L	3400-00 180-00 80-00 160-00 280-00 200-00	05	21,500-00	• Plant Height (cm) • No. of Pods/Plant • Yield (q/ha) • Fodder yield (t/ha)	SMS (Agronomy, Plant Protection, Soil Science) SS&H
		4300-00		**21,500-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
2	**Oilseeds (NFSM)**	Sunflower	• Low Yield	**Integrated crop management in sunflower with emphases on IPDM practices**. • Use of KBSH-53 @ 5kg/ha • Seed treatment with Imidacloprid 60FS @ 5 gm/kg seeds and *PSB* 1.0 kg/ha • Application of $ZnSO_4$ 10kg / ha • Spray with boron 0.2% at the time of flowering (1.0 kg/ha) • Sowing with jowar / bajra as border crop 2-3 rows • Removal of affected plants and weed hosts around the plots • Hand picking of grown up larvae and destroying • Spray with imidacloprid @0.3ml / l at 45 and 60 DAS against bud necrosis- 200ml/ha • Spray with indaxicarb @ 0.3ml/l against head borer- 200ml/ha	Hybrid	KBSH-53	UAS, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
KBSH-53 *PSB* Imidacloprid	2 kg 0.4 kg 0.08 L	400-00 40-00 200-00	15	9,600-00	• Plant height (cm) • Head diameter (cm) • Incidence of bud necrosis and head borer • Yield (q/ha)	SMS (Plant Protection, Agronomy, Agricultural Extension, Soil Science) & SSH
		640-00		**9,600-00**		

9.4 Pulses:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	**Pulses (NFSM)**	Bengalgram	• Low yield	**Integrated crop management in bengalgram** • Use of HYV JAKI-9218 @ 62.5 kg/ha • Seed treatment with *Trichoderma* @4gm/kg of seed • Seed treatment and soil application of *Rhizobium*, PSB and VAM @ 2.0 kg each /ha • Pulse Magic @ 5kg/ha (Peak flowering and pod formation) • Use of trap crop @ 5kg/ha • Use of bird perches • Use of pheromone traps @10/ha • 1st spray with ovicidal insecticides profenophos @ 2 ml/l	Variety	JAKI 9218	JNKVV & ICRISAT

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
JAKI 9218 seeds	25 kg	1625-00	25	71,625-00	• No. of pods/plant • Incidence of wilt and pod borer (%) • Test weight (g) • Yield (q/ha)	SMS (Agronomy, Plant Protection, Soil Science and Extension (SS&H)
Rhizobium, PSB,VAM (0.8kg each)	2.4 kg	240-00				
Trichoderma	0.8 kg	80-00				
Pulse magic	2 kg	400-00				
Ha pheromone trap	4 No.	240-00				
Profenophos	0.5 L	280-00				
		2865-00		**71,625-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
2	**Pulses (NFSM)**	Redgram	• Low Yield	**Integrated crop management in redgram** • Use of BRG-5 medium duration wilt resistant variety • Use of *Rhizobium*, PSB and VAM 1kgeach/ha • Spray with pulse magic (UAS, Raichur) 10g/l @ 5kg/ha • Installation of pheromone traps @ 8no. / ha(16 lures) • Spray with profenophos @ 2ml/l- ovicidal- 1 l/ha • Spray with neem based insecticide @3ml/l – 1l /ha • Spray with indaxicarb @0.5ml/l -200 ml / ha	Variety	BRG-5	UAS, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
BRG-5 Seeds *Rhizobium* PSB Pulse magic Pheromone traps & lures Profenophos Indaxicarb	3 kg 0.4 kg 0.4 kg 2 kg Trap 3 nos & lures 6 nos. 0.4 l 0.08l	300-00 50-00 50-00 400-00 200-00 250-00 250-00	25	37,500-00	• Germination (%) • Plant height (cm) • No. of branches/plant • No. of pods/plant • Incidence of pod borer and wilt (%) • Yield (q/ha)	SMS (Plant Protection, Agronomy, Agricultural Extension, Soil Science) & SSH
		1500-00		**37,500-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
3	**Pulses**	Field Bean (Avare)	• Low yield	**Integrated crop management in field bean (Avare)** • Use of HYV HA-4 @ 30 kg/ha • Seed treatment with *Trichoderma* @4g /kg of seed • Seed treatment and soil application of Rhizobium, PSB 2.0 kg each /ha • Pulse Magic @ 5kg/ha (Flowering and pod formation stage) • Use of trap crop @ 5 kg/ha • Use of pheromone traps @10 No./ha • Spraying of quinolphos @ 1.25L	Variety	HA-4	UAS, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
HA-4	12 kg	2400-00	5	17,800-00	• No. of pods/plant • Incidence pod borer (%) • Test weight (g) • Yield (q/ha)	SMS (Agronomy, Plant Protection, Soil Science) & SSH
Rhizobium, PSB,(0.8kg each)	1.6 kg	160-00				
Trichoderma	0.8 kg	80-00				
Pulse magic	2 kg	400-00				
Ha pheromone trap	4 No.	240-00				
Quinolphos	0.5 L	280-00				
		3560-00		**17,800-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
4	**Pulses (NFSM)**	Black gram	• Improper Nutrient Management • Single crop per year • Mono cropping • Micronutrient deficiency	**Integrated crop management in blackgram** • Use of DBGV-2 seeds: 25 kg/ha • Seed treatment with calcium chloride @ 2% • Application of biofertilizers • Spray with pulse Magic @ 5 kg/ha (10 g/liter) • Spray with imidachloprid @ 0.3 ml/l -200 ml / ha. • Spray with hexaconazole @ 1 ml/l-500 ml/ha	Variety	DBGV-2	UAS, Dharwad

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Seeds DBGV-2	10 kg	2000-00	10	33,200-00	• Soil fertility status before and after • No. pods per plant • Test weight (g) • Yield (q/ha)	SMS (Soil Science, Agronomy, Plant Protection)
Calcium chloride 500 g	500 kg	100-00				
Rhizobium, PSB & VAM @ 3 kg	3 kg	240-00				
Pulse magic 2 kg	2 kg	400-00				
Imidachloprid	100 ml	160-00				
Hexaconazole	500 ml	420-00				
				33,200-00		

9.5 Commercial Crops:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	**Commercial Crops**	Cotton	• Improper nutrient management • Square dropping • Incidence of sucking pest • Leaf reddening • Improper spacing	**Integrated crop management in cotton** • Recommended dose of fertilizers • Maintaining Proper spacing • Trap crop bhendi (25:1) • Yellow sticky trap • Spraying of Fipronil 80WG @ 0.3g/l against sucking pests • Spraying of 1% $MgSO_4$ + 1% KNO_3 at 90 and 110 DAS • Spraying of planofix (1 ml/4.5 l of water) at flowering stage	Hybrid	Bt	UAS Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Yellow sticky trap Fipronil 80WG Magnesium sulphate KNO_3 Planofix	10 No. 40 g 4 kg 4 kg 100 ml	365-00 750-00 400-00 600-00 150-00	20	45,300-00	• Square dropping (%) • Leaf reddening (%) • Cost of production • Yield (q/ha)	SMS (Soil Science, Agronomy, Plant Protection)
		2265-00		**45,300-00**		

9.6 Horticultural Crops:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	Horticulture	Mango	• Low productivity of existing orchards	**Integrated crop management in mango** • Foliar application of planofix @ 0.25 ml/4 l • RDF • Pruning of old branches • Mango special @ 5 g/l • Thiomethaxam @ 0.3 gm/l • Application of COC to stem @ 3g/l • Use of fruit fly traps	Variety	Alphanso	IIHR, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Planofix Fruit fly trap Mango Special	200 ml 4 no. 8 kg	120-00 400-00 1480-00	10	20,000-00	• Soil testing before and after • Percent dropping (%) • Percent fruit set (%) • Yield (q/ha)	SMS (Horticulture, Plant protection) & SSH
		2000-00		**20,000-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
2	Horticulture	China Aster	• Low productivity of existing Flower crops	**Demonstration of yield & income potential of China Aster, Arka Kamini** • Integrated nutrient management • IPM measures	Variety	Arka Kamini	IIHR, Bengaluru

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Arka Kamini seeds Trichoderma	150 g 5kg	1000-00 70-00	07	7,490-00	• Yield (%) • Length of flower (cm) • Flower diameter	SMS (Horticulture, Soil Science) & SSH
		1070-00		**7490-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
3	Horticulture	Marigold	• Non use of Flowers as inter crop in early stage of crop growth in Arecanut	**Demonstration of yield & income potential of marigold, Arka Agni in young Arecanut gardens** • Seedlings treatment with *trichoderma*	Variety	Arka Agni	IIHR, Bangalore

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Arka Agni Seeds	1500 seedlings	3000-00	05	15,000-00	• Number of flowers/plant • days to flowering • Yield of marigold	SMS (Horticulture, Soil Science) & SSH
		3000-00		**15,000-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
4	Horticulture	Onion	• Low productivity of existing Varieties	**Demonstration of yield & income potential of Onion, Bhima Super** • Introduction of Bhima Super variety • Application of gypsum @ 2.5 q/ha • Seed treatment with Trichooderma • Use of post emergent herbicides • Foliar nutrition with water soluble fertilizers • Plant 2 rows of maize or outer row of maize and inner row of wheat surrounding onion crop (250sq.m) at least 30 days prior to transplanting to block adult thrips	Variety	Bhima Super	AICRP on onion and Garlic, RC, Babbur

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Bhima Super seeds	4 kg	8000-00	04	32,000-00	• Yield (q/ha) • Seed germination (%) • Weight of bulb (g) • Economics	SMS (Horticulture, Soil Science) & SSH
		8000-00		**32,000-00**		

9.7 Livestock:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	Livestock	Dairying	• Lower production, • Repeat breeding & Infertility problems • Low quality and unhygienic milk production • Mastitis problems	**Integrated Management of dairy Animals for better performance (Feeding TMR)** • Balanced nutrition, deworming, use of saaf kit to avoid mastitis. • Fodder enrichment	Crossbred dairy animals	--	KVAFSU (Bidar)

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Dewormer ASMM VAM tonic Saaf kit Enzymex Brolaytone	3g x 2 1kg x 3 5 lt x 1 200 ml x1 1 kg 500 ml	120-00 450-00 500-00 100 -00 150-00 450-00	05	8,850-00	• Milk yield • Milk quality • Cost of milk production • Mastitis Incidence • Reproductive parameters	SMS (Animal Science, Agricultural Extension) & SSH
		1770-00		**8,850-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
2	Livestock	Fodder	• Fodder scarcity especially leguminous fodder • Low fodder yield and palatability problems	**Establishment of fodder cafeteria**	Hybrid/ Variety	DHN-6, MP Charry, Lucerne, Sesbenia, Chaya	KVAFSU (B)

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Napier root slips Multicut Jowar Lucerne Sesbania/Chaya	2000 No.s 3 kg 0.5 kg 100 g	1000-00 300-00 250-00 50-00	05	8,000-00	• Fodder yield (t/ha) • Economics	SMS (Animal Science, Agricultural Extension) & SSH
		1600-00		**8,000-00**		

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
3	Livestock	Sheep and goats	• Lower body weight gain and delayed puberty due to under nutrition and parasitic infestation.	**Balanced feeding and total deworming in small ruminants (Stall feeding method) for better body weight gain and reproductive efficiency.**	Bellary local X	--	KVAFSU (Bidar)

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Dewormer Liver tonic Special mineral mixture	150 mg x 20 No. 1 lt x 3 No. 5 kg x 1 No.	100-00 600-00 650-00	10	13,500-00	• Body weight gain • Maturity time (Puberty) & other reproductive parameters	SMS (Animal Science, Agricultural Extension) & SSH
		1350-00		**13,500-00**		

9.8 Fisheries:

S. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
1	Fisheries	Fish	• Low yield	**Integrated Management of Fish culture in Big ponds** • Pond preparation & management • Seed selection and stocking • Feed and feeding management • Health and water quality monitoring • Harvesting	Variety	*Catla catla, Labeo rohita, Cyprinus carpio, Pangassius sutchi, Hypophalmichthys molitrix*	KVAFSU, Bidar

Name of critical input	Qty per Demo	Cost per Demo	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
Fish seeds Vitamin mineral mixture	5000 5 kg	5000-00 500-00	05 (each demo = 1acre)	27,500-00	• Average body weight (g) • Yield (t/ha)	SSH, SMS (Animal Science)
		5500-00		**27,500-00**		

9.9 Others:

10 Training for Farmers/ Farm Women during 2016-17

S.No	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
1	2	3	4	5	6	7	8	9
10.1	**Crop Production**							
	ICM	Foxtail millet	• Low yield, • No seed treatment with Bio fertilizers	OFT	• Improved production technology for higher yield in Foxtail millet	01	25	SMS (Agronomy)
	ICM	Bengal gram	• Low yield, • No seed treatment with Bio fertilizers • Pod borer and wilt incidence	OFT/FLD	• Importance of Seed treatment in Bengal gram to increase the yield • Pod borer management through pheromone traps	01 01	25 25	SMS (Agronomy) SMS (Plant protection)
	ICM	Finger millet	• Low yield, • No seed treatment with Bio fertilizers	FLD	• Seed treatment with bio fertilizers to improve the production • Importance of foliar nutrition in increasing the yield under moisture stress	01 01	25 25	SMS (Agronomy)
	ICM	Groundnut	• Low yield • Non availability of quality seed for sowing • No seed treatment • Root rot, tikka leaf disease • Poor fodder quality	FLD	• Improved production technology in groundnut to increase the productivity	01	30	SMS (Agronomy)

1	2	3	4	5	6	7	8	9
	ICM	Bengal Gram	• Low yield • No seed treatment with Bio fertilizers • Non-availability of HY varieties. • Improper nutrient management • Pod borer & Wilt	FLD/OFT	• Importance of Seed treatment in Bengal gram to improve the yield • Monitoring of pod borer through pheromone traps	01	25	SMS (Agronomy) SMS (Plant protection)
	ICM	Field bean	• Low yield • No seed treatment with Bio fertilizers • Non-availability of HY varieties. • Improper nutrient management • Pod borer	FLD	• Improved production technology in HYV in field bean • Importance of Micro nutrient (pulse magic) spraying at peak flowering	01	25	SMS (Agronomy) SMS (Plant protection)
10.2	**Horticulture Production**							
	Plantation Crops Production and Management Technology	Arecanut	• Non use of interspace in younger periods • Low income in existing intercrops	FLD	• Remunerative intercrops in the young Arecanut Gardens	01	30	SMS (Horticulture, Plant Protection and Soil Science)
		Coconut	• Non use of interspace in younger periods • Low income in existing intercrops	FLD	• Remunerative intercrops in the young Coconut Gardens	01	30	SMS (Horticulture, Plant Protection and Soil Science)
	Fruit Crops Cultivation of fruit	Banana	• Micronutrient deficiency • Low bunch weight • Low productivity per unit area	--	• ICM in Banana	01	30	SMS (Horticulture, Plant Protection and Soil Science)

1	2	3	4	5	6	7	8	9
	Vegetable Crops Off season vegetables	Onion	• Low productivity of existing varieties • Incidence of purple blotch and thrips	FLD	• ICM in Onion	01	30	SMS (Horticulture , Plant Protection and Soil Science)
	Ornamental Plants Nursery Management	Flower crops	• Use of local varieties • Lack of quality seeds / planting materials.	--	• Nursery techniques in Horticulture crops	01	30	SMS (Horticulture and Soil Science)
10.3	**Livestock Production**							
	Livestock Production	Dairying	• Lower production • Repeat breeding & Infertility problems, Low quality and unhygienic milk production, Mastitis problems	FLD and OFT	• Balanced nutrition in dairy cattle • Clean and quality milk production	01 01	25 25	SMS (Animal Science)
10.4	**Home Science**							
10.5	**Plant Protection**							
	IPDM	Paddy	• Stem borer, BPH, Blast and Sheath blight problem • No seed treatment with biofertilizers	FLD	• Seed treatment with carbendizim and seedling treatment with biofertilizers	01	20	SMS (Plant Protection Agronomy, and Soil Science)
	IPDM	Maize	• Stem borer and turcicum leaf blight	FLD	• Seed treatment with chlorpyrphos and biofertilizers	01	20	SMS (Plant Protection Agronomy, and Extension)

1	2	3	4	5	6	7	8	9
	IPDM	Redgram	• Pod borer and wilt	FLD	• ICM in redgram	01	25	SMS (Plant Protection Agronomy, and Extension
	IPDM	Sunflower	• No spray with boron • Incidence of bud necrosis and head borer	FLD	• ICM in sunflower	01	20	SMS (Plant Protection Agronomy, and Extension
	IPM	Banana	• Banana skipper	OFT	• Identification of skipper symptoms in banana plant	01	15	SMS (Plant Protection and Horticulture)
10.6	**Production of Inputs at Site**							
10.7	**Soil Health and Fertility**							
	INM	Cotton	• Improper nutrient management	FLD	• INM in cotton	01	25	SMS (Soil Science)
	INM	Sorghum	• Improper nutrient management, Moisture stress	FLD	• INM in Sorghum	01	25	SMS (Soil Science)
	INM	Paddy	• Low soil fertility	Others	• Soil fertility management paddy soils	01	25	SMS (Soil Science)
	INM	Black gram	• Improper nutrient management	FLD	• INM in black gram	01	25	SMS (Soil Science)
10.8	**PHT and value addition**							
10.9	**Capacity Building Group Dynamics**							
10.10	**Farm Mechanization**							
10.11	**Fisheries Production Technologies**							
	Aquaculture	Fish	• Low yield	FLD	• Inland aquaculture for prosperity	01	20	SSH
10.12	**Mushroom production**							
10.13	**Agro forestry**							
10.14	**Bee Keeping**							
10.15	**Sericulture**							

11. Training for Rural Youth during 2016-17

S.No	Thematic area	Crop / Enterprise	Major problem	Related field intervention (OFT/FLD)*	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
1	2	3	4	5	6	7	8	9
11.1	**Crop Production**							
	Enrichment of fodder	Finger millet	• Poor quality of fodder • No enrichment during the summer	FLD	• Enrichment of fodder with nutrients to increase the palatability and milk yield	01	20	SMS (Agronomy and Animal Science).
	Seed production	Foxtail Millet	• Non availability of quality HYV seeds	OFT	• Seed production techniques in minor millets	01	25	SMS (Agronomy)
11.2	**Horticulture Production**							
	Post harvest Technology	Coconut	• Non availability of labours for harvesting of nuts	FLD	• Empowerment of Rural Youth in Coconut palm climbing	02	50	SMS (Horticulture, Plant Protection and Soil Science)
	Nursery management of Horticulture crops	Vegetable crops	• Lack of availability of good quality seedlings	--	• Nursery techniques in vegetable crops	01	20	SMS (Horticulture, Plant Protection and Soil Science)
	Integrated crop production	Flower crops	• Lower productivity in open cultivation	FLD	• Protected cultivation	01	20	SMS (Horticulture, Plant Protection and Soil Science)

1	2	3	4	5	6	7	8	9
11.3	**Livestock Production**							
	Nutrition management	Dairying	• Lower production, • Repeat breeding & Infertility problems, Low quality and unhygienic milk production, Mastitis problems	FLD and OFT	• Scientific management of dairy animals for better performance	01	25	SMS (Animal Science)
			• Lower body weight gain & reproductive problems in small ruminants		• Advantages of stall feeding methods in sheep rearing.	01	25	
11.4	**Home Science**							
11.5	**Plant Protection**							
	IPDM	Paddy	• Incidence of blast, sheath blight and stem borer	FLD	• Identification of symptoms of blast, sheath blight and stem borer in field	01	20	SMS (Plant Protection Agronomy, and Soil Science)
11.6	**Production of Inputs at Site**							
11.7	**Soil Health and Fertility**							
	IFS	Integrated farming system	• No use of organic manure	--	• Integrated farming system for sustainable agriculture	01	25	SMS (Soil Science, Agronomy)
11.8	**PHT and value addition**							
11.9	**Capacity Building Group Dynamics**							
11.10	**Farm Mechanization**							
11.11	**Fisheries Production Technologies**							
11.12	**Mushroom production**							
11.13	**Agro forestry**							
11.14	**Bee Keeping**							
11.15	**Sericulture**							

12 Training for Extension Personnel during 2016-17

S.No.	Thematic area	Training Course Title**	No. of Courses	Expected No. of participants	Names of the team members involved
12.1	**Crop Production**				
	ICM	• Production technology in Bt Cotton to increase the yield	01	25 (AO's AAO)	SMS (Agronomy)
	ICM	• Soil and water conservation technique in dry land farming in Harapanahalli taluk	01	30 Field staff of Department of Agriculture	SMS (Agronomy)
12.2	**Home Science**				
12.3	**Capacity Building and Group Dynamics**				
12.4	**Horticulture**				
	Integrated Crop management	• Importance of FPO's and their operation	01	30	SMS (Horticulture and Soil Science)
12.5	**Livestock Production & Management**				
	IDM	• Prevention and control of contagious and infectious diseases in Livestock	01	25-30	SMS (Animal Science & Agricultural Extension
	Nutrition management	• Silage and Hay making methods and It's advantages	01	25-30	SMS (Animal Science & Agricultural Extension
12.6	**Plant Protection**				
	IPDM	• IPDM in Pulses	01	25	SMS (Pant Protection and Agricultural Extension).
12.7	**Farm Mechanization**				
	ICM	• Mechanization in paddy production system to increase the productivity	01	25 AO and AAO	SMS (Agronomy)
12.8	**PHT and value addition**				
12.9	**Production of Inputs at Site**				
12.10	**Sericulture**				
12.11	**Fisheries**				

13 Vocational trainings during 2016-17

Sl. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency	Names of the team members involved
13.1	**Crop Production**						
	Composting and Vermicomposting	• Different methods of production of compost from agriculture waste	01 (7 days)	SHGs	20	--	SMS (Agronomy and Soil Science)
13.2	**Home Science**						
13.3	**Capacity Building and Group Dynamics**						
13.4	**Horticulture**						
	Protected cultivation	• Protected cultivation in flowers	01 (7 days)	FPO members	20	NHM	SMS (Horticulture, Plant Protection, Soil Science) & SSH
13.5	**Livestock Production & Management**						
	Nutrition management	• Integrated dairy farming for sustainable income.	02 (7 days)	SHGs and DDFA members	60	ASCI, New Dehli	SMS(Animal Science, Agricultural Extension)
		• Natural poultry Farming and It's importance	01 (7 days)	FPOs	25-30	--	SMS(Animal Science, Agricultural Extension)
13.6	**Plant Protection**						
13.7	**Farm Mechanization**						
13.8	**PHT and value addition**						
13.9	**Production of Inputs at Site**						
13.10	**Sericulture**						
13.11	**Fisheries**						

14. Sponsored trainings during 2016-17

Sl. No.	Thematic area and the Crop/Enterprise	Training title*	No. of programmes and Duration (days)	Type of Participants (SHGs, NYKs, School students, Women, Youth etc.)	Expected number of participants	Sponsoring agency	Names of the team members involved
14.1	**Crop Production**						
	ICM (Maize and paddy)	• Integrated crop management in maize and paddy(Seed treatment with bio fertilizers)	01 (02)	SHG farmers	30	Dhanuka Pesticides ltd.	SMS (Agronomy)
14.2	**Home Science**						
14.3	**Capacity Building and Group Dynamics**						
14.4	**Horticulture**						
	Increasing production and productivity of crops	• Recent trends in production technology of plantation crops	02 (03)	Youths	100	National Horticulture Mission	SMS (Horticulture & Soil Science)
	Methods of protected cultivation	• Protected cultivation	01 (02)	FIG's	50	KWDP-II Sujala-III Dept. of Horticulture	SMS (Horticulture & Plant Protection)
14.5	**Livestock Production & Management**						
	Dairying	• Integrated dairy farming and vermiculture/ vermicompost production for livelihood security.	02 (06)	SHGs and selected rural youths.	50-60	Zilla Panchayath, Davanagere and NGOs	SMS (Animal Science & Agricultural Extension)
14.6	**Plant Protection**						
	IPDM	• IPDM in paddy	01 (01)	Field level workers	25	Adan India Ltd.	SMS (Plant Protection and Extension)
14.7	**Farm Mechanization**						
14.8	**PHT and value addition**						
14.9	**Production of Inputs at Site**						
14.10	**Sericulture**						
14.11	**Fisheries**						

********** PAID TRAININGS **********

Sl. No.	Title	Scientist	Duration	No. of participants
1.	Scientific fish culture for pleasure and treasure	Dr Devaraja T. N., SS&H	3 days	20
2.	Power of pulses in rural economy-embark on the opportunity	Mr Mallikarjuna B.O., SMS (Agronomy)	3 days	15
3.	Nutritional garden	Mr. Basavanagowda M.G., SMS (Horticulture)	3 days	50
4.	Profitable dairying for rural youth	Dr Jayadevappa G.K., SMS (Animal Science)	4 days	20
5.	Restoring soil health now for better wealth in future	Mr Sannagoudar H.M., SMS (Soil Science)	3 days	20
6.	Safe use of pesticides and safety precaution measures during spraying	Mr Prasannakumar N., SMS (Plant Protection)	3 days	20
7.	Marketing strategies for Self Help Groups	Mr Raghuraja J., SMS (Agricultural Extension)	3 days	20

15. Extension programmes during 2016-17

Sl. No.	Extension Programme/ Activity*	No. of programmes or activities	Expected number of participants	Names of the team members involved
15.1	Advisory Services	1500	1800	All SMS' & SSH
15.2	Diagnostic Visits	10		
15.3	Field Day	24	1400	
15.4	Group Discussions	5	300	
15.5	Kisan Gosthi	1	150	
15.6	Film Show	20	850	
15.7	Self -Help Groups	5	250	
15.8	Kisan Mela	2	--	
15.9	Exhibition	3	--	
15.10	Scientists' Visit to Farmers Field	110	--	
15.11	Plant/Soil Health/Animal Health Camps	4	150 Samples + 200 animals	
15.12	Farm Science Club	1	25	
15.13	Ex-Trainees Sammelan	1	100	
15.14	Farmers' Seminar/Workshop	8	600	
15.15	Method Demonstrations	15	200	
15.16	Celebration of Important Days	3	110	
15.17	Special Day Celebration	4	250	
15.18	Exposure Visits	3	100	
15.19	Technology Week,	1	1000	
15.20	Farmers Field School (FFS)	2	50	
15.21	Farm Innovators Meet	1	100	
15.22	Awareness Programs	2	200	
	Others, pl. specify		--	
	1 Kisan Mobil Advisory Services	50	3000	
	2 Radio talk	05	--	
	3 TV talk	09	--	
	4 Popular articles	10	--	
	5 News paper coverage	50	--	
	6 Plant Health Clinic services	300	300 samples	

16. Activities proposed as Knowledge and Resource Centre during 2016-17

16.1 Technological knowledge

Sl. No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
1	2	3	4	5
16.1.1	**Technology Park/ Crop cafeteria**			
	Vegetable Crop cafeteria	Crop cafeteria of varieties developed by IIHR Bengaluru for Davangere district	0.2 ha	SMS (Horticulture) & SSH
	Fruit orchard	Drumstick Block (KDM-1) + Coconut germ plasm	0.2 ha	SMS (Horticulture) & SSH
		Mixed fruit orchard	0.4 ha	SMS (Horticulture) & SSH
16.1.2	**Demonstration Units**			
	INSIMP	Millets processing and Powdering	1 unit	SMS (Agronomy)
	Trichoderma	*Trichoderma* production unit	1 unit	SMS (Plant protection)
	Dairy demonstration unit	1. Crossbred Cow Dairy unit 2. Milking Machine (single bucket) 3. Fodder cutting Machine(5 HP) 4. Rubber mats for cattle shed 5. Azolla production unit 6. Vermiculture &Vermicompost units 7. Biogas production unit 8. Gober gas production unit 9. Verietal fodder plots 10.Hydroponic fodder production	5-Cow unit 01 01 4 ft x 6 ft-10 Nos 4 ft x8 ft x1 ft-5 Nos 20 ft x4 ft x2.5 ft- 10 No.s 01 01 1acre 2 ft x1.5 ft x 0.25 ft-8 trays	SMS (Animal Science)
	Fisheries	1. Ornamental fish unit 2. Farm ponds 3. Fish seed hatchery	1 unit 5 unit 1 unit	
16.1.3	**Lab Analytical services**			
	Soil & Water testing Lab	Soil and water analysis	3 students project	SMS (Soil Science) & Programme Assistant (Lab Technician)
	PHC Lab	Plant Analysis	1 unit	SMS (Plant protection)

1	2	3	4	5
16.1.4	**Technology Week**	Frontline Demonstration and on farm trials, demonstration units in the KVK instructional farm will be exhibited. An agricultural exhibition will be organized in collaboration with Development Department, Agri input agencies, Krishika Samaj, NGO's. Seminars and Ghosties will be organized on the occasion. High school students will be mobilized to participate in the programme	1 (5 days)	All team members

16.2 Technological Products

Sl.No.	Category	Name of the Production Partner Agency, if any	Name of the product	Quantity (q)/ Number planned to be produced during 2016-17	Names of the team members involved
16.2.1	**Seeds**	UHS , Bagalkot	Drumstick seeds	100 kg	SMS (Horticulture)
16.2.2	**Planting materials**	--	Mango seedlings (Alphanso)	5000 Numbers	SMS (Horticulture)
		--	Arecanut seedlings (Channagiri Local)	5000 Numbers	SMS (Horticulture)
		--	Drumstick seedlings(KDM-1)	10000 Numbers	SMS (Horticulture)
			Fodder root slips	10000 thousand No.s	SMS (Animal Science)
		--	Azolla culture	250-300 kg	
16.2.3	**Bio-products**	--	*Trichoderma*	5.0 q	SMS (Plant Protection)
		--	Banana Special	15 q	SMS (Horticulture)
		--	Vermicompost	15-20 tonnes	SMS (Animal Science)
		--	Earthworms	30-40 kgs	SMS (Animal Science)
		--	Biogas production	10 cu ft gas/day	SMS (Animal Science)
16.2.4	**Livestock strains**	--	Good pedigree calves	2-3 Nos	SMS (Animal Science)
16.2.5	**Fish fingerlings**	Department of Fisheries, Davanagere	Fish fingerlings	5000 No.s	Senior Scientist-Cum-Head

16.3 Technological Information

Sl.No.	Category	Technological capsules / Number	Names of the team members involved
16.3.1	**Technology backstopping to line departments**		
	Agriculture	02	SMS (Agronomy)
	Horticulture	--	--
	Plant Protection	04	SMS (Plant Protection)
	Animal Husbandry	01	SMS (Animal Science & Agricultural Extension)
	Fisheries	--	--
	Agricultural Engineering	--	--
	Sericulture	--	--
	Others, pl. specify	--	--
16.3.2	**Literature/publication**		
	Leaf lets	03	SMS (Agronomy)
		02	SMS (Horticulture)
		01	SMS (Plant Protection)
	Folder		
		01	SMS (Plant Protection)
		02	SMS (Animal Science & Agricultural Extension)
		02	SMS (Horticulture)
	Book	01	SMS (Agricultural Extension)
16.3.3	**Electronic Media**		
	Television	01	SMS (Agronomy)
		05	SMS (Plant Protection)
		01	SMS (Animal Science)
		02	SMS (Horticulture)
	Radio	02	SMS (Plant Protection)
		01	SMS (Animal Science)
		02	SMS (Horticulture)
16.3.4	**Kisan Mobile Advisory Services**	50	All team members
16.3.5	**Information on centre/state sector schemes and service providers in the district.**	Book on 'Service providers of the district and centre/state sector schemes' will be revised	SMS (Agricultural Extension)

17. Additional Activities Planned during 2016-17

Sl. No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
17.1	NICRA	Crop technology demonstration	--	--	SSH as PI, SMS (Agronomy & Animal Science as Nodal Officers & other SMSs are members
17.2	INSIMP	Millet processing and powdering	Grading and cleaning Powdering	--	SMS (Agronomy)
17.3	KSTA, Bengaluru	State Seminar	One state level seminar on Pulses for nutritional security	1 Lakh	SMS (Agronomy) & Senior Scientist and Head
17.4	Plant Health Clinic	Plant diagnosis	Diagnosis of affected plant samples (300 No.s)	-	SMS (Plant Protection)
17.5	Comprehensive Horticulture Development Scheme (CHD), Depat. Of Horticulture, Govt. of Karnataka	Training	2 Trainings for the 100 Banana farmers on value addition	50,000/-	SMS (Horticulutre)
17.6	Davanagere Dairy Farmers Association(R), Davanagere	Artificial Insemination service	Providing AI service with good quality semen of different breeds at farmers doorstep (150-200 per month)	1.0 lakh	SMS (Animal Science) & DDFA members
17.7	--	• Impact of FLD on velvet beans as a intercrop in Arecanut. • Impact of terrace garden trainings. • Production and Marketing problems of Banana growers in Davangere district. • Study on communication skills of personnel from dept. of Agriculture and Horticulture. • To prepare Compendium of OFTs and FLDs carried out by KVK (2005 to 2015). • To popularize development department schemes in KVK extension activities.	Impact studies of KVK activities and other activities of SAC recommendations	--	SMS (Agricultural Extension)

18. Revolving Fund

18.1 Financial status

Opening balance as on 01.04.2015 (Rs.in Lakh)	Expenditure incurred during 2015-16 (Rs.in Lakh)	Receipts during 2015-16 (Rs.in Lakh)	Closing balance as on 31.01.2016 (Rs.in Lakh)	Expected closing balance by 31.03.2016 (Including value of material in stock/ likely to be produced) (Rs. in Lakh)
1.974	31.945	31.712	1.741	4.00

18.2 Plan of activities under Revolving Fund

S. No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
18.2.1	INSIMP (Millet processing Cleaning and powdering)	--	10,000-00	SMS (Agronomy)
18.2.2	Bioagent production (*Trichoderma*, *PSB* and *Azospirillum*)	800 kg	50,000-00	SMS (Plant Protection)
18.2.3	Horticulture nursery	13000 Seedlings	2.0 Lakhs	SMS (Horticulture)
18.2.4	Banana Special	2000 kg	1.50 Lakhs	SMS (Horticulture) & Programme Assistant (Lab Technician)
18.2.5	Crossbred cow dairy unit	700-750 lts	2,50,000-00	SMS (Animal Science)
18.2.6	Vermicompost	15 tonnes	1,00,000-00	SMS (Animal Science)
18.2.7	Earthworms production	25-30 kgs	7,500-00	SMS (Animal Science)
18.2.8	Azolla production	250 kgs	5,000-00	SMS (Animal Science)
18.2.9	Ornamental fish production	5000 No.	10,000-00	SSH
18.2.10	Sunhemp seed production	3 q	15,000-00	Farm Manager, SMS (Soil Science)
18.2.11	Velvet bean seed production	3 q	30,000-00	Farm Manager, SMS (Soil Science)
18.2.12	Dhaiancha seed production	3 q	15,000-00	Farm Manager, SMS (Soil Science)
18.2.13	Finger millet seed production	4 q	12,000-00	Farm Manager, SMS (Soil Science)
18.2.14	Fodder production	40 t	To use for dairy animals	Farm Manager, SMS (Soil Science, Animal Science)
18.2.15	Arecanut seedlings	10000	25,000-00	Farm Manager, SMS (Soil Science, Horticulture)
18.2.16	Coconut seedlings	1500	40,000-00	Farm Manager, SMS (Soil Science, Horticulture)
18.2.17	Mango	--	1,25,000-00	Farm Manager, SMS (Soil Science, Horticulture)
18.2.18	Arecanut	--	1,50,000-00	Farm Manager, SMS (Soil Science, Horticulture)
18.2.19	Sapota	--	15,000-00	Farm Manager, SMS (Soil Science, Horticulture)

19. Activities of soil, water and plant testing laboratory during 2016-17

Sl. No.	Type	No. of samples to be analyzed	Names of the team members involved
19.1	Soil	1000	SMS (Soil Science & Programme Assistant (Lab Technician)
19.2	Water	700	
19.3	Plant	--	
19.4	Others	--	

20. E-linkage during 2016-17

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared	ICM in Redgram	--
20.2	Creation and maintenance of relevant database system for KVK	October - 2016	Gaps will be completed
20.3	Any other (Please specify)	--	Data base on soil, water test, Radio talk, TV talk, Farmers Advisory Service and Guest lecture, training, FLD, OFT are completed and same will be maintained

21. Activities planned under Rainwater Harvesting Scheme - Nil

22. Innovator Farmer's Meet

Sl.No.	Particulars	Details
22.1	Are you planning for conducing Farm Innovators meet in your district?	Yes
22.2	If Yes likely month of the meet	January, 2017
22.3	Brief action plan in this regard	Integrated Farming System practicing farmers in the district will be invited to KVK to address the gathering of interested farmers. This interactive meet will be the platform to share their unique profitable farming and non- farm experiences for the benefit of all.

23. Farmers Field School (FFS) planned

S. No	Thematic area	Title of the FFS	Critical Inputs	Quantity/ Number	Budget proposed in Rs.	Names of the team members involved
23.1	ICM	**Integrated Crop Management in Bengal gram**	• Use of HYV JG-11 • Seed treatment with *Trichoderma* @ 4gm/kg of seed • Seed treatment Rhizobium, PSB @ 1kg each • Pulse Magic @ 2kg/acre(Peak flowering and pod formation) • Use of pheromone traps @ 4/acre • Spraying with Profenophos @ 2ml/L of water	25 kg 0.8 kg 2.0 kg 2.0 kg 4 No. 1.0 L	1620-00 80-00 200-00 400-00 250-00 550-00	SMS (Agronomy, Extension, Soil Science, Plant Protection)
			A. Critical Inputs		**3,100-00**	
			B. Meals and Refreshment during the classes	--	**5,000-00**	
			C. FFS training kit	--	**10,000-00**	
			D. Field Day	--	**5,500-00**	
			E. Preparation of Folder	--	**6,000-00**	
				TOTAL	**29,600-00**	
23.2	Livestock Production and Management	**Scientific Management of Crossbred calves**	Milk Replacer Calf Starter Vitamins & minerals tonic Deworming and Vaccination Meals and refreshment FFS kit Exposure visit	100 kg	2,000-00 2,000-00 1,500-00 500-00 5,000-00 5,000-00 5,000-00	SMS (Animal Science, Agricultural Extension) & SSH
				Total	**21,000-00**	

24. Budget - Details of budget utilization (2015-16) up to 31 January 2016 (Rs.)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	1,03,99,000	78,30,412	77,69,547
24.1.2	**Traveling allowances**	80,000	60,240	78,860
24.1.3	**Contingencies**			
24.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	80,000	60,240	79,339
B	POL, repair of vehicles, tractor and equipments	1,00,000	75,300	94,073
C	Meals/refreshment for trainees	50,000	37,650	10,730
D	Training material	25,000	18,825	21,687
E	Frontline demonstration except oilseeds and pulses	3,09,000	2,32,677	1,61,693
F	On farm testing	30,000	22,590	22,222
G	NFSM-Cluster Front Line Demonstrations	75,000	75,000	57,951
H	Maintenance of buildings			
I	Extension Activities	50,000	37,650	40,490
J	Library	5,000	3,765	860
24.1	**Total Recurring**	**1,12,03,000**	**84,54,349**	**83,37,452**
24.2	**Non-Recurring Contingencies**			
24.2.1	**Works**			
24.2.2	**Equipments including SWTL & Furniture**			
24.2.3	**Vehicle (Four wheeler/Two wheeler, please specify)**			
24.2.4	**Library**			
24.2	**Total Non Recurring**	**0**	**0**	**0**
24.3	**REVOLVING FUND**			
24.4	**GRAND TOTAL (A+B+C)**	**1,12,03,000**	**84,54,349**	**83,37,452**

25. Details of Budget Estimate (2016-17) based on proposed action plan

Sl. No.	Particulars	BE 2016-17 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	**1,11,71,000-00**
25.1.2	**Traveling allowances**	**2,00,000-00**
25.1.3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,00,000-00
B	POL, repair of vehicles, tractor and equipments	3,00,000-00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	75,000-00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50,000-00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2,18,800-00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	48,181-00
G	FLD under NFSM	2,09,025-00
H	Training of extension functionaries	25,000-00
I	Maintenance of buildings	5,00,000-00
J	Establishment of Soil, Plant & Water Testing Laboratory	--
K	Library	10,000-00
L	FFS	50,600-00
25.1	**TOTAL Recurring Contingencies**	**1,31,57,606-00**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	**3,93,80,000-00**
25.2.2	**Equipments including SWTL & Furniture**	**64,30,000-00**
25.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify) [Rs.13 Lakhs for Jeep and Rs.2.10 Lakhs for Two Wheelers]	**15,10,000-00**
25.2.4	**Library** (Purchase of assets like books & journals)	**1,00,000-00**
25.2	**TOTAL Non-Recurring Contingencies**	**4,74,20,000-00**
25.3	**REVOLVING FUND**	--
25.4	**GRAND TOTAL**	**6,05,77,606-00-00**

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Summary of Action Plan 2016-17 Details

(A) On Farm Testing (OFT)

Sl. No.	Crop	Title	No. of Farmers/ trials	Sanctioned Amount (Rs.)
1	Foxtail millet	Assessment of foxtail millet varieties for higher yield under rainfed	03	2,880-00
2	Bengalgram	Assessment of Bengalgram varieties for wilt and drought tolerance	03	14,355-00
3	Banana	Assessment of different molecules for Banana Skipper management	03	3,000-00
4	Coconut	Flowers as Intercrop in Coconut Garden for additional income.	02	15,996-00
5	Onion	Role of sulphur in improving the productivity of onion	05	3,750-00
6	Dairying	Assessment of benefits of feeding urea treated paddy straw along with grain mixture on the performance of dairy animals.	05	8,200-00
		Total	**21**	**48181-00**

(B) Frontline Demonstration (FLD)

Sl. No.	Crop	Title	No. of Farmers/ Demo	Sanctioned Amount (Rs.)
1	Paddy	Integrated crop management in paddy with an emphasis on IPDM practices.	10	8,500-00
2	Maize	Integrated crop management in maize with an emphasis on IPDM practices.	15	16,500-00
3	Finger millet	Demonstration of HYV finger millet for delayed sowing (ML-365)	25	17,500-00
4	Sorghum	Integrated crop management in sorghum (SPV-2217)	10	15,100-00
5	Cotton	Integrated crop management in cotton	20	42,800-00
6	Mango	Integrated crop management in mango	06	10,600-00
7	China Aster	Demonstration of yield & income potential of China Aster, Arka Kamini	05	5,000-00
8	Marigold	Demonstration of yield & income potential of marigold, Arka Agni in young Arecanut gardens	04	12,000-00
9	Onion	Demonstration of yield & income potential of Onion, Bhima Super	05	40,000-00
10	Dairying	Integrated Management of dairy Animals for better performance (Feeding TMR)	05	8,850-00

11	Fodder	Establishment of fodder cafeteria	05	8,000-00
12	Sheep and goats	Balanced feeding and total deworming in small ruminants (Stall feeding method) for better body weight gain and reproductive efficiency.	05	6,450-00
13	Fish	Integrated Management of Fish culture in Big ponds	05	27,500-00
		Total	**120**	**2,18,800-00**

(C) NFSM (Technology Demonstrations)

Sl. No.	Crop	Title	No. of Farmers/ Demo	Sanctioned Amount (Rs.)
1	Groundnut	Integrated crop management in groundnut, GPBD-4	05	21,500-00
2	Sunflower	Integrated crop management in sunflower (KBSH-53) with emphases on IPDM practices.	15	9,600-00
3	Bengalgram	Integrated crop management in bengalgram, JAKI-9218	25	71,625-00
4	Redgram	Integrated crop management in redgram, BRG-5	25	37,500-00
5	Field Bean	Integrated crop management in field bean, HA-4	10	35,600-00
6	Black gram	Integrated crop management in blackgram, DBGV-2	10	33,200-00
		Total	**90**	**2,09,025-00**

D) Farmers Field School (FFS)

Sl. No.	Thematic Areca	Title	Sanctioned Amount (Rs.)
1	Bengalgram	Integrated Crop Management in Bengalgram	29,600-00
2	Livestock Production and Management	Scientific Management of Crossbred calves	21,000-00
		Total	**50,600-00**

Abstract

Sl. No.	Particulars	No. of Trials/Demo.	Amount (Rs.)
A	OFTs	21	48,181-00
B	FLDs	120	2,18,800-00
C	NFSM (Technology Demonstrations)	90	2,09,025-00
D	FFS		51,600-00
	Grand Total	**231**	**5,27,606-00**

Trainings

Category	No. of programmes	No. of participants
Farmers/Farmwomen	25	625
Rural youths	10	230
Extension functionaries	07	185
Sponsored trainings	15	480
Paid trainings	07	165
TOTAL	**64**	**1685**