GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

| KVK Address | Telephone | | E mail | Web Address | |
|---------------------------|------------|--------|-----------------------|-------------------|--|
| KVK Address | Office Fax | | web Address | | |
| KRISHI VIGYAN KENDRA | | | | | |
| (IIHR-ICAR) | 08274- | 08274- | iihrkvkgk@yahoo.co.in | www.kvkkodagu.org | |
| Gonikoppal-571213, | 247274 | 247274 | 5 | | |
| Kodagu District Karnataka | | | | | |
| | | | | | |

1.2 .Name and address of host organization with phone, fax and e-mail

| Address | Telepho | ne | E mail | Web Address | |
|--|-------------------------|-------------------|---------------|-----------------|--|
| Auuress | Office | Fax | E IIIdii | web Address | |
| INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR) Hessaraghatta Lake Post Bengaluru-560 089 | 080 - 28466420/21/22 | 080 - 28466290 | iihr@ernet.in | www.iihr.res.in | |

1.3. Name of the Programme Coordinator with phone & mobile No

| Nomo | Telephone / Contact | | | |
|----------------|---------------------|------------|-----------------------|--|
| Name | Residence | Mobile | Email | |
| Dr.Saju George | - | 9945035707 | Saju_74@iihr.ernet.in | |

1.4. Year of sanction: 1976

1.5. Staff Position (as 31st March 2016)

| | | | | If Permanent, P | lease indicate | | If Temporary, pl. indicate the consolidated amount paid |
|------------|---------------------------|-----------------------|------------------|---------------------|----------------------|-----------------|--|
| SI. No. | Sanctioned post | Name of the incumbent | Discipline | Current Pay Band | Current Grade Pay | Date of joining | |
| 2.1 | Programme Coordinator | Dr.Saju George | Agril. Extension | 37400- 67000 | 9000 | 04.05.2014 | - |
| 2.2 | Subject Matter Specialist | K. A. Devaiah | Horticulture | 15600 -39100 | 6600 | 30.11.1993 | - |
| 2.3 | Subject Matter Specialist | B. Prabhakara | Horticulture | 15600 -39100 | 6600 | 03.04.2007 | - |
| 2.4 | Subject Matter Specialist | Veerendra Kumar K.V | Plant Protection | 15600 -39100 | 5400 | 02.12.2009 | - |
| 2.5 | Subject Matter Specialist | Dr.Suresh S.C | Livestock | 15600 -39100 | 5400 | 09.02.2011 | - |
| 2.6 | Subject Matter Specialist | - | - | - | - | - | - |
| 2.7 | Subject Matter Specialist | = | - | - | - | - | - |
| 2.8 | Programme Assistant | - | - | - | - | - | - |
| 2.9 | Computer Programmer | M .K .Padmavathy | - | 15600 -39100 | 5400 | 21.01.1983 | - |
| 2.10 | Farm Manager | - | - | - | - | _ | - |
| 2.11 | Accountant/Superintendent | P. C. Ponnamma | - | 9300-34800 | 4600 | | - |
| 2.12 | Stenographer | Mubeen Taj | - | 5200-20200 | 2400 | 18.04.2011 | - |
| 2.13 | Driver 1 | _ | - | - | _ | _ | - |
| 2.14 | Driver 2 | - | - | - | - | - | - |
| 2.15 | Supporting staff 1 | B. N.Janaki | - | 4440-7440 | 2000 | 25.03.1985 | - |
| 2.16 | Supporting staff 2 | = | - | | - | - | - |

1.6. Total land with KVK (in ha)

: 17.5 ha

| Sl. No. | Item | Area (ha) |
|---------|--|-----------|
| 1 | Under Buildings | 6.1 |
| 2. | Demonstration units (Piggery, Fodder block, Goatary, poultry, poly house, nursery) | 3.5 |
| 3. | Crops (Coffee + Black Pepper, Arecanut, Banana, Coorg Mandarin, Sapota, Guava and minor fruits) | 7.9 |

1.7. Infrastructural Development:

A) Buildings

| | | | | | Stag | e | | | |
|------|------------------------------------|--------|--------------------|--------------------------|----------------------|--|--------------------------|-------------------------|--|
| | Name of | Source | | Complete | | | Incomplete | | |
| SI.N | building | of | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction. | |
| 1. | Administrative Building | ICAR | 2001 | 500 | | - | - | - | |
| 2. | Farmers Hostel | ICAR | 2001 | 300 | 77,34,081 | - | <u>-</u> | - | |
| 3. | Staff Quarters | ICAR | Nil | | | | | | |
| 4. | Demonstration Units | ICAR | 1995 | 160 | 15,25,588 | - | - | - | |
| 5 | Fencing | | | | Nil | ······································ | | | |
| 6 | Rain Water harvesting system | Nil | | | | | | | |
| 7 | Threshing floor | Nil | | | | | | | |
| 8 | Farm godown | • | Nil | | | | | | |

B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|--------------------------|------------------|------------|----------------|----------------|
| Jeep (Mahindra hard top) | 1998 | | 362675 | - |
| Tractor (M. Ferguson) | 2004 | | | Good |
| Bike (Bajaj-CT-100) | 2004 | | 21011 | Good |
| Power Tiller | 2011 | | | Good |
| Hero Honda Splendor Plus | 2009 | | 12985 | Good |

B) Equipments & AV aids

| Name of the Equipment | Year of Purchase | Cost (Rs.) | Present Status |
|-------------------------------------|------------------|------------|----------------|
| PA System | 2002 | 11,408 | Good |
| Aqua guard(2) | 2003 | 1500 | Good |
| Electronic weighing Balance | 2004 | 15550 | Good |
| Photocopier (Toshiba e studio 160) | 2004 | 157.899 | Good |
| Computer with accessories | 2005 | 74,640 | Good |
| Back pack sprayer | 2005 | 9050 | Good |
| Tiller mounted power sprayer | 2005 | 23,750 | Good |
| Mechanical weeder | 2005 | 30,000 | Good |
| HP Scanner 3770 | 2005 | 7650 | Good |
| Stack feeder bi pass | 2005 | 5122 | Good |
| Computer with accessories | 2005 | 51,683 | Good |
| Solar water heater | 2006 | 77,036 | Good |
| Balance | 2006 | 9000 | Good |
| Display boards | 2006 | 9976 | Good |
| Citizen balance | 2006 | 68850 | Good |
| Computer with accessories | 2007 | 59,808 | Good |
| Microwave oven | 2007 | 13,850 | Good |
| LCD projector | 2011 | 1,00,000 | Good |
| Power sprayer | 2011 | 36,000 | Good |
| Generator (5 KV) | 2011 | 1,06,000 | Good |
| Computer with accessories | 2011 | 49,120 | Good |
| Mechanical weeder | 2011 | 24,000 | Good |
| Camera SX 3015 (Canon) | 2011 | 27680 | Good |
| Disc plough & Disc harrow | 2011 | 82,950 | Good |
| Tr. mounted weed slasher | 2011 | 85,195 | Good |
| Extendable Al. ladder | 2011 | 17,556 | Good |
| BOD | 2015 | 80,000 | New |
| Solar energy int. autoclave | 2015 | 2.49,000 | New |
| Grain boiler | 2015 | | New |
| Bag filler | 2015 | | New |
| Boiled grain and chalk powder mixer | 2015 | | New |
| Digital balance | 2015 | 9,500 | New |
| Laminar Air flow | 2015 | 1,17,000 | New |

PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

| S. No | Farming system/enterprise | | | |
|-------|--|--|--|--|
| 1 | Coffee + Pepper + Coorg Mandarin | | | |
| 2 | Coffee + Pepper + Cardamom | | | |
| 3 | Paddy, Ginger, Banana, Vegetables in low lands | | | |
| 4 | Coffee + Pepper + Arecanut | | | |
| 5 | Horticulture + Animal Husbandry | | | |

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

| S. No Agro-climatic Zone | | Characteristics |
|--------------------------|-----------------------------|--|
| 1 | Sub tropical humid zone | Mountainous with altitude of 2400 feet above MSL |
| - | 3db tropical flatfild 20ffc | Mean Annual rainfall- 2800 mm |

| S. No | Agro ecological situation | Characteristics |
|-------|--|-------------------------------------|
| | Major intercrops in multi tier cropping | Misty climate with clouds with less |
| 1 | system are Coffee, Pepper, Cardamom, | relative humidity in South Coorg |
| _ | Coorg mandarin and Arecanut. Paddy and | area and less misty, semi malnad |
| | Ginger are the crops of low lying areas. | climate in North Coorg. |

2.3 Soil type/s

| S. No | Soil type | Characteristics | Area in ha |
|-------|------------------|------------------------------------|------------|
| 1 | Sandy loam soils | Acidic, low to medium clay content | 99560 |
| 2 | Red loam soils | With good humus content | 123965 |
| | <u>.i</u> | 223525 | |

2.4. Area, Production and Productivity of major crops cultivated in the district

| S. No | Crop | Area (ha) | Production (tons) | Productivity (kg/ha) |
|-------|----------------|-----------|-------------------|----------------------|
| 1 | Coffee | 104730 | 124100 | 1184 |
| 2 | Pepper | 8880 | 39385 | 448 |
| 3 | Cardamom | 9043 | 1164 | 130 |
| 4 | Coorg Mandarin | 943 | 23575 | 25000 |
| 5 | Banana | 1541 | 9973 | 6472 |
| 6 | Arecanut | 2994 | 4188 | 1413 |
| 7 | Paddy | 35362 | 127116 | 3784 |

2.5. Weather data for the year 2015-16

| Month | Rainfall (mm) | Temperat | ure ⁰ C | Relative |
|-----------|---------------|----------|--------------------|--------------|
| IVIONTN | | Maximum | Minimum | Humidity (%) |
| April | 64.50 | 34 | 22 | 65 |
| May | 228.75 | 32 | 22 | 60 |
| June | 765.00 | 30 | 19 | 58 |
| July | 183.50 | 30 | 20 | 68 |
| August | 154.25 | 26 | 21 | 72 |
| September | 157.50 | 26 | 19 | 68 |
| October | 113.50 | 25 | 18 | 73 |
| November | 157.75 | 25 | 18 | 81 |
| December | 64.50 | 25 | 17 | 82 |
| January | 228.75 | 26 | 18 | 81 |
| February | 765.00 | 27 | 20 | 72 |
| March | 183.50 | 32 | 21 | 68 |

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

| Category | Population | Production | Productivity |
|-------------------|------------|---|--------------|
| Cattle | | | |
| Crossbred | 116515 | - | - |
| Indigenous | | - | - |
| Buffalo | 31616 | - | - |
| Sheep | | *************************************** | |
| Crossbred | 416 | - | - |
| Indigenous | | - | - |
| Goats | 4472 | - | - |
| Pigs | 24748 | - | - |
| Rabbits | | | |
| Poultry | | *************************************** | |
| Hens | 269826 | - | - |
| Desi | | - | - |
| Improved | | - | - |
| Ducks | - | - | - |
| Turkey and others | - | - | - |
| Category | Area | Production | Productivity |
| Fish | - | - | - |
| Marine | - | - | - |
| Inland | - | - | - |
| Prawn | - | - | - |
| Scampi | - | - | - |
| Shrimp | - | - | - |

^{*} District profile has been **Updated** for 2015-16 Yes

2.8 Details of Operational area / Villages

| SI. No. | Taluk | Name of the block | Name of the village | How long the village is covered under operational area of the KVK | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|------------|-----------|-------------------------------|--|---|--|---|---|
| 1 | Madikeri | Bhagamandala | CherambaneBhagamandala | 2013-16 | Coffee,PepperArecanut,GingerAnthurium,CardamomPaddy,VegetablesPiggery | Poor yield in Paddy and Arecanut Berry borer in coffee, Wilt in Pepper Lack of knowledge on value addition Shoot borer problem in Ginger | High Yielding varieties of Paddy Integrated nutrient mgmt. IPDM in Horticultural crops Value addition in fruits and vegetables |
| 2 | Virajpet | • Ponnampet | HudikeriBalaleNalluru | 2013-16 | Coffee,PepperArecanut,GingerBanana, PaddyPiggery.PoultryValue addition | Low yield in Paddy Poor yield in Banana Berry borer in coffee Wilt in Pepper Lack of knowledge on value addition Poor quality pork production | Integrated nutrient management in Pepper and Paddy IDM in Pepper Value addition in fruits and vegetables Upgradation of local Pigs |
| 3 | Somwarpet | Kushalnagar | TorenuruChikkaluvaraShirangala | 2013-16 | Coffee, Pepper Maize, Ginger Cardamom, Vegetables, Value addition | Berry borer in coffee Low yield and Wilt in Pepper White stem borer in Coffee Lack of knowledge on value addition Poor nutrient status in paddy | Introduction of HYV of Chilly IPM in Chilly Value addition in fruits and vegetables INM in Vegetables |

2.9 Priority thrust areas

| SI. No | Thrust areas |
|--------|---|
| 1 | Promotion of cost effective and market led crop production system |
| 2 | Integrated Nutrient Management in agri. and horticultural crops |
| 3 | Integrated Crop Management in Horticultural crops |
| 4 | Bio Intensive Pest and Disease management in agri. and horticultural crops |
| 5 | Introduction of High yielding varieties and hybrids |
| 6 | Scientific management for enhancement of productivity and income from Piggery and dairy units |

PART III - TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities

| OFT | | | | FLD | | | |
|---------|-------------|---------|-------------------|---------|----------------|---------|---------------|
| | | 1 | | 2 | | | |
| Num | ber of OFTs | Numb | Number of farmers | | Number of FLDs | | er of farmers |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| 04 | 04 | 20 | 20 | 10 | 10 | 85 | 85 |

| Training 3 | | | | Extension Activities 4 | | | | |
|---------------|-------------|---------|-------------|------------------------|-------------|---------|-------------|--|
| | | | | | | | | |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement | |
| 30 | 48 | 1500 | 1565 | 1250 | 1765 | | | |

| Seed Pro | duction (Qtl.) | Planting material (Nos.) | | | |
|----------|----------------|--------------------------|-------------|--|--|
| | 5 | 6 | | | |
| Target | Achievement | Target | Achievement | | |
| - | - | 30000 | 35000 | | |

| Lives | tock (No.) | Bio-products (Kg) | | | |
|--------|-------------|-------------------|-------------|--|--|
| | 7 | 8 | | | |
| Target | Achievement | Target | Achievement | | |
| 30 | 44 | 2.0 tones | 2.5 tones | | |

ON FARM TESTING

OFT-1. Assessment of Ginger varieties for higher yield

| Treatments | Plant Height (cm) | No. of suckers /pl | Fresh weight/ pl (gm) | Yield (q/ha) | Dry ginger recovery after 2 months (%) | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|------------------------------------|-------------------------|--------------------|--------------------------|-----------------|--|---------------------|--------------------------|------------------------|------|
| Technology Option-1 Himachal | 55.4 | 14.22 | 341.88 | 257.20 | 87.1 | 312500 | 728733 | 416233 | 2.33 |
| Technology Option-2 IISR Varada | 54.80 | 13.42 | 385.66 | 290.20 | 84.20 | 312500 | 822233 | 509733 | 2.63 |
| Technology Option-3 IISR Mahima | 49.8 | 12.38 | 375.88 | 286.7 | 77.9 | 312500 | 812316 | 499816 | 2.59 |

Farmers feedback: IISR Varada yields higher than Himachal and performance in Kodagu is good. Varada get slightly higher price in local market.

OFT-2. Assessment of Foot rot disease management in Black Pepper

| Treatments | Disease Incidence (%) | Spike Shedding (%) | Dry yield (q/ha) | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|-----------------------------------|--------------------------|-----------------------|---------------------|---------------------|--------------------------|------------------------|------|
| Spraying of Bordeaux mixture | 21.17 | 16.70 | 2.39 | 65000 | 119500 | 53760 | 1.81 |
| Spraying of Potassium Phosphonate | 14.06 | 10.03 | 4.04 | 76160 | 202000 | 125840 | 2.65 |
| Mulching of UV stabilized sheet | 10.72 | 6.38 | 4.25 | 69740 | 212500 | 142760 | 3.04 |
| Drenching of Microbial Consortium | 10.30 | 2.84 | 4.45 | 71500 | 222500 | 151000 | 3.11 |

Farmers Feedback: Drenching of Arka Microbial Consortium during June, September and November reduces the yellowing, spike shedding and disease incidence

OFT-3 . Assessment of alternative medical approach for treatment of bovine Papillomma/Warts and induction of parammunuty in Cows

| Treatments | Warts sloughing (%) | Milk yield (kg/cow) | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | В:С |
|--|---------------------------|---------------------------|------------------------|--------------------------|---------------------|------|
| Technology Option 1 • Application of Neem oil, aloevera and turmeric paste | 4.2 | 2769 | 14301 | 17130 | 2829 | 1.2 |
| Technology Option 2 Injecting I/M- Inj. Lithium antimony thiomalate tartarate @ 15ml/cow in 48 hrs interval and repeated for 4-6 times + Inj. Meloxicam @ 15ml/cow + Inj. Chlorpheneramine maleate-15 ml/cow + Inj. Vit.B complex @15ml/ cow Source: KVAFSU,Bidar | 43 | 3011 | 15463 | 20927 | 5464 | 1.35 |
| Technology Option 3 Injecting S/C- I. 1.Inj. Thuja 200x solution @1.5 ml diluted with 1.5ml distilled water on day-1, 2.Inj. Thuja 200x solution @1.5 ml diluted with 1ml distilled water on day-7, 3.Inj. Thuja 200x solution @1.5 ml without dilution on day-21 II. Inj. Levamisole-2ml/cow-one day prior to treatment injected for 3 weeks. This is to boost parammunity. Source: TANUVAS, Chennai | 93 | 3224 | 14976 | 24157 | 9181 | 1.61 |

Front Line Demonstrations

FLD.1. Demonstration of High yielding, string less French Bean variety Arka Sharath

| Particulars | Yield /pl (gm) | Yield (q/ha) | % increase in yield | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | в:С |
|---------------------------------|-------------------|-----------------|---------------------------|---------------------|--------------------------|---------------------|------|
| Demonstration plot Arka Sharath | 199.9 | 161.2 | 11.55 | 80000 | 161200 | 81200 | 2.02 |
| Farmers plot | 179.2 | 144.50 | 11.55 | 80000 | 144500 | 64500 | 1.81 |

Farmers Feedback: Arka Sharath variety is high yielding, stingless and good price in market

FLD.2. Demonstration of Yard Long Bean var. Arka Mangala

| Particulars | Fresh wt/pl (gm) | Yield (q/ha) | % increase in yield | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|---------------------------------|---------------------|-----------------|---------------------|---------------------|-----------------------|---------------------|------|
| Demonstration plot Arka Mangala | 464.54 | 199.80 | 14.49 | 120000 | 239760 | 119760 | 1.99 |
| Farmers plot | 408.13 | 174.50 | 0 | 120000 | 209400 | 89400 | 1.75 |

Farmers Feedback: Arka Mangala variety well accepted by farmers and its yields more and acceptability by the consumer is also good

FLD.3. Use of PGPR encapsulated bio capsules for management of Rhizome rot disease in Ginger

| Particulars | Rhizome rot incidence (%) | | Yield (q/ha) | % increase in yield | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|--------------------|---------------------------|---------|-----------------|---------------------|---------------------|-----------------------|---------------------|------|
| | 90 DAP | 150 DAP | (ч/па) | yieiu | (N3.) | Retuill (NS.) | (NS.) | |
| Demonstration plot | 5.11 | 9.41 | 188.72 | | 298000 | 660520 | 357098 | 2.21 |
| Farmers plot | 17.09 | 23.46 | 153.43 | 23.0 | 307500 | 537005 | 229505 | 1.74 |

Farmers feedback – Prophylactic rhizome treatment with PGPR bio- capsule and drenching of PGPR talc formulation helps in reducing the disease incidence significantly.

FLD.4. Integrated Pest and Disease management in Paddy

| Particulars | Leaf folder infestation (%) | | Blast disease (PDI) | | Yield | % increase | Gross cost | Gross Return | Net Return | B:C |
|--------------------|--------------------------------|--------|---------------------|--------|--------|------------|---------------|-----------------|---------------|------|
| | 30 DAT | 60 DAT | 60 DAT | 90 DAT | (q/ha) | in yield | (Rs.) | (Rs.) | (Rs.) | |
| Demonstration plot | 6.14 | 4.78 | 7.85 | 11.30 | 44.76 | | 39600 | 53116 | 13516 | 1.34 |
| Farmers plot | 12.56 | 11.59 | 17.82 | 24.87 | 37.05 | 20.80 | 36910 | 44466 | 7556 | 1.19 |

Farmers feedback – IPDM practices reduces the pest and disease incidence and increase the yield with low cost of production in ecofriendly manner.

FLD.5. Foliar nutrition of Black Pepper for high yield

| Particulars | Spike length (cm) | Yield (q/ha) | % increase | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|--------------------|----------------------|--------------|------------|---------------------|-----------------------|---------------------|------|
| Demonstration plot | 13.97 | 5.30 | 24.12 | 114922 | 291390 | 176467 | 2.56 |
| Farmers plot | 13.02 | 4.27 | 24.12 | 102535 | 234630 | 132094 | 2.34 |

Farmers Feedback: Spraying of Black Pepper special at the time of pre flowering and spike setting stage reduced the spike shedding and increased the yield

FLD.6. Integrated Crop Management in Paddy

| Particulars | Leaf folder infestation (%) | Blast disease (PDI) 90 DAT | Yield (q/ha) | % increase in yield | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|--------------------|-----------------------------|----------------------------------|-----------------|---------------------|---------------------|--------------------------|---------------------|------|
| Demonstration plot | 6.42 | 11.64 | 41.42 | 20.20 | 42016 | 77144 | 35127 | 1.83 |
| Farmers plot | 11.07 | 21.21 | 32.26 | 28.39 | 51321 | 63595. | 12273 | 1.25 |

Farmers Feedback: Enhanced yield and reduction of pest and disease level and cost of cultivation

FLD.7. Demonstration of triple disease resistant Tomato hybrid Arka Rakshak

| Particulars | Yield per plant (kg) | Yield (t/ha) | Self life (In days) | % increase | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|--------------------|-------------------------|-----------------|------------------------|------------|------------------------|--------------------------|------------------------|------|
| Demonstration plot | 13.4 | 25.92 | 13.4 | 10.66 | 76800 | 137680 | 60880 | 1.79 |
| Farmers plot | rs plot 2.02 21.66 08 | | 19.66 | 65476 | 108300 | 42824 | 1.64 | |

Farmers Feedback: Increase in yield to the tune of 19.66 % over the check hybrids and shelf life.

FLD.8. Demonstration of high yielding Chilli hybrid Arka Meghana

| Particulars | Yield per plant (kg) | Yield (t/ha) | % increase | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|--------------------|-------------------------|--------------|------------|---------------------|-----------------------|------------------------|------|
| Demonstration plot | 2.926 | 18.26 | 29.13 | 80500 | 146080 | 65580 | 1.81 |
| Farmers plot | 2.262 | 14.14 | 29.13 | 80500 | 113120 | 32620 | 1.40 |

Farmers feedback: Increase in yield to the tune of 29.13 % over the check hybrids (Tejashwini) and fetch good price in the local market

FLD.9. Introduction of effective treatment for controlling milk fever in milch cows

| Particulars | Disease Incidence (%) | Milk fat (%) | Milk yield (Kg/cow) | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|--------------------|--------------------------|--------------|------------------------|---------------------|-----------------------|---------------------|------|
| Demonstration plot | 4.95 | 3.39 | 3263 | 14639 | 21852.7 | 7213.7 | 1.49 |
| Farmers plot | 14.90 | 3.05 | 2841 | 12773.5 | 15606.8 | 2833.3 | 1.22 |

Farmers Feedback: Supplementation of Syp. Calcium orally is easy and increases the milk yield and milk fat percentage.

FLD.10. Introduction of effective ectoparasiticide for control of ticks and lice in milch cows

| Particulars | Disease Incidence (%) | Health status | Milk yield (Kg/cow) | Gross cost (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | B:C |
|---------------------|--------------------------|------------------|------------------------|------------------------|-----------------------|---------------------|------|
| Demonstrations plot | 5.25 | Good | 3325 | 15531 | 23453 | 7922 | 1.51 |
| Farmers plot | 92.75 | Poor | 2876 | 14532 | 17630 | 3097 | 1.21 |

Farmers Feedback: Method of drug application is very safe to animal and much effective against ticks

Training programmes

| Month | Training Title | Duration (Days) | Training For | Thematic Area | Trg. Location | Source of Fund | Sponsor Agency | Male | Female | SC/ST- Male | SC/ST- Female |
|-------|--|--------------------|-----------------|--------------------------------------|------------------|-------------------|-------------------|------|--------|----------------|------------------|
| June | Scientific methodology in Black pepper cultivation | 1 | General | Horticulture | Off Campus | ICAR | - | 6 | 9 | 2 | 0 |
| June | Scientific piggery farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | _ | 3 | 29 | 0 | 2 |
| June | Backyard Poultry Farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 2 | 25 | 0 | 3 |
| June | Value addition in Jackfruit | 1 | Rural Youth | Value addition | On Campus | ICAR | - | 11 | 8 | 4 | 9 |
| July | Seed Treatment and importance | 1 | General | Plant Protection | Off Campus | ICAR | - | 26 | 4 | 1 | 0 |
| July | Importance of Bio control agents in Plant disease management | 1 | General | Plant Protection | Off Campus | ICAR | _ | 45 | 6 | 3 | 0 |
| July | Fruit processing techniques | 1 | General | Home Science/Women empowerment | Off Campus | ICAR | _ | 0 | 27 | 0 | 3 |

| July | Recent advances in controlling FMD in animals | 1 | Extension Personnel | Management in farm animals | On Campus | ICAR | - | 27 | 3 | 0 | 0 |
|--------|---|---|------------------------|--------------------------------------|---------------|------|---|----|----|---|----|
| July | Scientific Piggery Farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 10 | 0 | 0 | 0 |
| July | Backyard poultry farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 30 | 0 | 0 | 0 |
| July | Scientific Banana cultivation | 1 | General | Plant Protection | On Campus | ICAR | - | 8 | 2 | 0 | 0 |
| August | Bakery | 1 | General | Home Science/Women empowerment | Off Campus | ICAR | - | 0 | 46 | 0 | 10 |
| August | Back Yard poultry farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 0 | 28 | 0 | 3 |
| August | Scientific Goatary Farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 24 | 2 | 0 | 0 |
| August | Fruit Processing | 1 | General | Home Science/Women empowerment | Off Campus | ICAR | - | 0 | 32 | 0 | 0 |
| August | Fruit Processing | 1 | General | Home Science/Women empowerment | Off Campus | ICAR | - | 0 | 26 | 0 | 0 |
| August | Scientific Piggery Farming | 1 | General | Livestock Production and Management | On Campus | ICAR | - | 17 | 10 | 0 | 0 |
| August | Scientific Piggery Farming | 1 | General | Livestock Production and Management | On Campus | ICAR | - | 5 | 41 | 0 | 0 |
| August | Dairy farming | 1 | General | Livestock Production and Management | On Campus | ICAR | _ | 25 | 3 | 0 | 0 |
| August | Bakery | 1 | General | Home Science/Women empowerment | On Campus | ICAR | - | 0 | 25 | 0 | 0 |

| August | Balanced Diet | 1 | General | Home Science/Women empowerment | On Campus | ICAR | _ | 0 | 35 | 0 | 0 |
|-----------|---|---|------------------------|--------------------------------------|---------------|-----------|-----------------|----|----|----|----|
| April | Importance of Vector borne diseases with Zoonatic potential | 1 | Extension Personnel | Management in farm animals | Off Campus | ICAR | _ | 21 | 4 | 10 | 2 |
| September | Scientific Goatary Farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 1 | 50 | 1 | 23 |
| September | Scientific Goatary Farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 7 | 11 | 0 | 2 |
| September | Fruit Preservation | 1 | General | Home Science/Women empowerment | On Campus | ICAR | - | 0 | 23 | 0 | 0 |
| October | Bakery | 1 | General | Home Science | Off Campus | ICAR | - | 0 | 38 | 0 | 8 |
| October | Backyard Poultry Farming | 1 | General | Livestock Production and Management | Off Campus | ICAR | - | 20 | 11 | 20 | 11 |
| October | Advances in Production Technology of Horticultural Technologies | 4 | Vocational | Crop production and management | On Campus | ICAR | _ | 8 | 10 | 0 | 0 |
| October | Value addition in Horticultural crops | 1 | Vocational | Livestock Production and Management | On Campus | Sponsored | Coffee Board | 1 | 21 | 0 | 0 |
| October | Value addition in Horticultural crops | 1 | Vocational | Livestock Production and Management | On Campus | Sponsored | Coffee Board | 1 | 21 | 0 | 0 |
| November | IPDM in Paddy | 1 | General | Plant Protection | Off Campus | Sponsored | DOA | 30 | 10 | 5 | 6 |
| November | Oyster Mushroom Cultivation | 1 | Rural Youth | Mushroom Production | Off Campus | Sponsored | DOA | 28 | 16 | 3 | 4 |
| November | Back Yard poultry farming | 1 | General | Livestock Production | Off Campus | Sponsored | TSP | 2 | 2 | 20 | 8 |
| December | Vocational | 4 | Vocational | Income generation | On | ICAR | - | 0 | 15 | 0 | 0 |

| | Total | 48 | | | | | | 528 | 901 | 125 | 146 |
|----------|--|----|----------------|--|---------------|-----------|-----------------|-----|-----|-----|-----|
| March | Bakery | 1 | General | Home Science/Women empowerment | On Campus | ICAR | - | 0 | 18 | 0 | 0 |
| March | Scientific Goatary Farming | 3 | Vocational | Livestock and Fisheries | On Campus | Sponsored | COBSETI | 18 | 10 | 6 | 7 |
| March | Scientific Goatary Farming | 1 | Rural Youth | Sheep and goat rearing | Off Campus | ICAR | - | 3 | 18 | 2 | 4 |
| March | Scientific Dairy Farming | 1 | Rural Youth | Dairying | Off Campus | ICAR | - | 10 | 20 | 5 | 4 |
| January | Scientific Dairy Farming | 1 | Rural Youth | Dairying | Off Campus | ICAR | - | 1 | 18 | 0 | 4 |
| November | Scientific Pork Production | 1 | Rural Youth | Piggery | Off Campus | ICAR | - | 6 | 14 | 2 | 10 |
| February | Mushroom cultivation | 1 | General | Home Science | On Campus | ICAR | _ | 0 | 20 | 0 | 0 |
| February | Value addition in Horticultural crops | 1 | General | Home Science | On Campus | Sponsored | Coffee Board | 1 | 21 | 0 | 0 |
| February | Value addition in Horticultural crops | 1 | General | Home Science/Women empowerment | On Campus | Sponsored | Coffee Board | 1 | 17 | 0 | 0 |
| January | Value addition in Horticultural crops | 2 | Vocational | Post harvest technology and value addition | On Campus | Sponsored | Coffee Board | 2 | 35 | 0 | 0 |
| December | Production technology of Spices | 1 | General | Horticulture | On Campus | ICAR | - | 63 | 5 | 3 | 0 |
| December | Beekeeping | 1 | General | Capacity Building and Group Dynamics | On Campus | Sponsored | Coffee Board | 0 | 23 | 0 | 0 |
| December | Fruit Processing& Preservation | 3 | General | Home Science | On Campus | ICAR | - | 0 | 22 | 0 | 0 |
| December | Bakery | 1 | General | Home Science | On Campus | ICAR | - | 0 | 16 | 0 | 0 |
| | | | | activities | Campus | | | | | | |

1. Production of Planting materials

| Crop | Crop | Variety/ Hybrid | Numbers |
|------------|--------------|-----------------|---------|
| Plantation | Coffee | S -274 | 18,000 |
| | Arecanut | Theerthalli | 4,050 |
| Spices | Black Pepper | Panniyur-1 | 3,300 |

2.Performance of Instructional farm

| Name of the crop | Variety /Hybrids | Gross income (Rs.) |
|---------------------|---------------------------------|-----------------------|
| Coffee | R.S-274, C x R | 2.03,000 |
| Arecanut | Theerthally, Mohithnagar | 71,000 |
| Pepper | Paniyur-1 | 3,47,200 |
| Tender Coconut | DXT | 67,000 |
| F!+- | Sapota (Cricket ball and PKM-1) | 04.000 |
| Fruits | Banana (G-9) | 84,000 |
| | Total | 7,72,200 |

3. Piggery and Goat demo unit

| | Details of production | Amount realized (Rs.) | | | |
|--------------|-----------------------|-----------------------|-----------------------|--|--|
| Breed | Type of Produce | Qty. | Amount realized (NS.) | | |
| Malabari | Goat kids | 14 | 35000 | | |
| Duroc CB | Piglet | 30 | 90000 | | |
| Fodder slips | CO-3, Co-4, Sampoorna | 20000 | 20000 | | |

Kissan Mobile Advisory Services

| Month | Message Type | No. of farmers covered | Crop | Livestock | Weather | Marketing | Awareness | Other Enterprise | Total |
|-----------|--------------|------------------------------|------|-----------|---------|-----------|-----------|---------------------|-------|
| April | Text Message | 1895 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| May | Text Message | 1790 | 4 | 3 | 0 | 0 | 0 | 0 | 7 |
| June | Text Message | 1987 | 1 | 0 | 0 | 0 | 2 | 0 | 3 |
| June | Text Message | 1927 | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| July | Text Message | 7980 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| August | Text Message | 7890 | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| September | Text Message | 9800 | 3 | 0 | 0 | 0 | 1 | 0 | 4 |
| October | Text Message | 9450 | 3 | 0 | 0 | 0 | 1 | 0 | 4 |
| November | Text Message | 7890 | 3 | 0 | 0 | 0 | 0 | 1 | 4 |
| December | Text Message | 9800 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| January | Text Message | 9800 | 3 | 0 | 0 | 0 | 1 | 0 | 4 |
| February | Text Message | 7890 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| March | Text Message | 5896 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | Total | 38 | 06 | 00 | 00 | 06 | 01 | 51 |

Revolving Fund Scheme

| Year | Expenditure | Income | Net balance |
|-------------------------|--------------|---------------|---------------|
| April 2015 – March 2016 | Rs.16,11,045 | Rs. 13,99,778 | Rs. 36,00,417 |

Budget (2015-16)

| Buaget (2015-16) | | | | | | | |
|-------------------------|---------------------------------|---------------|-------------|--|--|--|--|
| S. No. | Particulars | Sanctioned RE | Expenditure | | | | |
| | Recurring contingencies | 79.45 | | | | | |
| 1 | Pay and Allowances | - | 70.09 | | | | |
| 2 | Travelling Allowances | 1.00 | 0.93 | | | | |
| 1 | Conti | ngencies | | | | | |
| Α | Stationery | 1.40 | 1.40 | | | | |
| В | POL | 1.0 | 1.09 | | | | |
| С | Meals/Refreshment for trainees | 0.50 | 0.46 | | | | |
| D | Training material | 0.25 | 0.21 | | | | |
| E | Front Line Demonstration | 1.50 | 1.48 | | | | |
| F | FLD on special programme (NFSM) | 0.60 | 0.60 | | | | |
| G | On Farm Testing's | 0.75 | 0.72 | | | | |
| Н | Extension activities | 0.50 | 0.49 | | | | |
| I | Library | 0.05 | 0.05 | | | | |
| | TOTAL (A) | | 78.40 | | | | |
| B. Non- | Recurring Contingencies | | - | | | | |
| (Repair and Renovation) | | 5.00 | 4.99 | | | | |
| | | Total | 83.39 | | | | |