###### ZONAL PROJECT DIRECTORATE – ZONE VIII BANGALORE

###### PROFORMA FOR ACTION PLAN OF KVKs IN ZONE VIII FOR 2013-14

###### 1. General information about the Krishi Vigyan Kendra

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| --- | --- | --- | --- |
| 1.1 | Name and address of KVK with Phone, Fax and e-mail | : | **Krishi Vigyan Kendra**Hadonhalli-561 205, Tubagere Hobli, Doddaballapur Taluk Bangalore Rural DistrictPhone: 080-27652082, Fax: 080-27652093 E mail: kvkbrd@gmail.com |
| 1.2 | Name and address of host organization  | : | University of Agricultural Sciences Gandhi Krishi Vigyan Kendra, Bangalore – 560 065Karnataka, India |
| 1.3 | Year of sanction | : | 2006 |
| 1.4 | Website address of KVK and date of last update | : | www.kvkbrd.org and 04-03-2013 |

**2. Details of staff as on date**

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| **Sl.****No.** | **Sanctioned post** | **Name of the incumbent** | **Discipline** | **Existing Pay band** | **Grade Pay** | **Date of joining** | **Permanent / Temporary** |
| 2.1 | Programme Coordinator | Dr.K.N.Srinivasappa | Horticulture | 15600-39100 | 8000 | 09.12.2011 | Permanent |
| 2.2 | Subject Matter Specialist  | Dr.S. Ganesamoorthi | Agricultural Extension | 15600-39100 | 6000 | 03.10.2012 | Permanent |
| 2.3 | Subject Matter Specialist  | Dr.B.S.Lalitha | Agronomy | 15600-39100 | 6000 | 26.02.2007 | Permanent |
| 2.4 | Subject Matter Specialist  | Dr.Savita S.Manganavar | Home Science | 15600-39100 | 6000 | 28.02.2007 | Permanent |
| 2.5 | Subject Matter Specialist  | Dr.Ananda G.Manegar | Animal Science | 15600-39100 | 6000 | 13.03. 2007 | Permanent |
| 2.6 | Subject Matter Specialist  | Mrs.B.G.Vasanthi | Soil Science | 15600-39100 | 6000 | 28.03. 2007 | Permanent |
| 2.7 | Subject Matter Specialist  | Dr.C.P.Manjula | Crop Protection | 15600-39100 | 6000 | 15.07. 2009 | Permanent |
| 2.8 | Programme Assistant | Ms B.Bharathi | B.Sc(Agri), MBA – ABM | 9300 | - | 17.12.2012 | Temporary |
| 2.9 | Computer Programmer | Mr.N.Papanna | Computer & Accts. | 9300-34800 | 4200 | 19.01. 2011 | Permanent |
| 2.10 | Farm Manager | Mr.N.Jagadish | Farm | 9300-34800 | 4200 | 20.12. 2010 | Permanent |
| 2.11 | Accountant/Superintendent | Mrs.L.Shashikala | Superintendent(A/c) | 32800-52500 | - | 16.06. 2008 | Permanent |
| 2.12 | Stenographer | Mrs.Rukmini, S.  | Steno | 14550 | - | 01.12. 2009 | Temporary |
| 2.13 | Driver 1 |  Mr.M.Nagaraja | Tractor Driver | 16000-29600 | - | 16.06. 2011 | Permanent |
| 2.14 | Driver 2  |  Mr.H.R.Venu Gopal | Jeep Driver | 11000 | - | 26.06. 2007 | Temporary |
| 2.15 | Supporting staff 1 | Mr.N.Murali | Asst. Cook cum Caretaker | 9600-14550 | - | 17.10. 2008 | Permanent |
| 2.16 | Supporting staff 2 | Mr.A.R. Channakeshava Gowda | Messenger | 9600-14550 | - | 27.01. 2011 | Permanent |

**3. Details of SAC meeting conducted during 2012-13**

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| --- | --- | --- | --- | --- |
| **Sl.****No** | **Date** | **Major recommendations** | **Status of action taken in brief** | **Tentative date of SAC meeting proposed during** **2013-14** |
| 3.1 | 01-06-2012 | * Conduct of Front line demonstrations on Maize hybrids released by UAS, Bangalore.
* Soil based District map to be prepared on identifying the soil fertility status
* Establishment of Bio pesticide production unit
* Plan for different varieties of fodder (CO4, COFS-29, Cowpea and silage) demonstration unit
* Preparation of Ready ragi malt for children
* Plan to organize tour for farmers under Farmers Field School programme
* ‘Soil health book’ may be published for information of the farmers.
* Prepare value added products, labeling, branding and link them to market through Self Help Groups.
* More concentration on preparation of value added products on mango and jack fruits.
* To identify the Ragi and Maize growers and to conduct the farmer’s training school under ATMA scheme.
* To conduct awareness programme to farmers on Bio control agents for pests.
* Adopt technology by feeding cowpea and maize as fodder to increase milk production.
* KVK shall lead special role in increasing production of pig, poultry and sheep.
* Sponsored training programmes may conduct In collaboration with Department of Horticulture, GOK
* Organize animal health camps with the help of line Departments.
* Conduct of awareness programme on grading of fruits and vegetables.
* More concentration on integrated farming system.
 | * Conducted 31 demonstrations on maize ‘Hema’ and ‘Nithyashree’ hybrids
* The district map has been prepared.
* Bio pesticide production unit established
* Fodder museum established at KVK
* 4 SHGs have been trained
* Conducted local visits for farmers
* Proposed for action plan 2013-14
* FLD implemented in 2012-13 on branding and market linkage of Ragi products
* Proposed for action plan 2013-14
* Serving as Resource persons under ATMA schemes
* Conducted training during 2012-13 on Bio control agents
* FLD implemented in 2012-13
* Pig and poultry production is under progress
* Proposed in Action plan 2013-14
* Organized 02 animal health camps
* Conducted awareness programme during on campus training
* More than 20 training programmes have been conducted on integrated farming system
 | During second week of April 2013 |

**4. Capacity Building of KVK Staff**

**4.1. Plan of Human Resource Development of KVK personnel during 2013-14**

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| --- | --- | --- | --- |
| **S. No** | **New Areas of Training** | **Institution proposed to attend** | **Justification** |
| 4.1.1 | Natural Resource management  | CRIDA, Hyderabad | Knowledge on soil and water management and conservation techniques helps in educating farmers |
| 4.1.2 | Hi-tech Horticulture | IIHR / MANAGE | The district has been covered more of Horticultural crops specially hi-tech horticulture |
| 4.1.3 | Nutrient management / cropping systems  | IARI, New Delhi | Crop planning and integrated farming system aspects helps to raise the farm income  |
| 4.1.4 | Characterization and mapping of soils using GIS techniques | NBSS & LUP, Bangalore | Soil fertility mapping for different cropping system |
| 4.1.5 | Value Addition | CFTRI, Mysore | To introduce new technologies for farmwomen to raise their income levels |
| 4.1.6 | Mushroom cultivation | IIHR, Bangalore | Scientific methods of mushroom cultivation and spawn production techniques |
| 4.1.7 | Bio agents | NIPHM, Hyderabad | Production protocol for bio agents and analysis of microbial bio-pesticides  |
| 4.1.8 | Phytopathogens | CAFT, IARI, New Delhi | Genomics and diagnosis of emerging phytopathogens in Indian Agriculture |
| 4.1.9 | Photoshop, CorelDraw and Animation  | NIIT / APTECH / KEONICS | Development and conducting the programmes in a befitting manner  |
| 4.1.10 | Farm Mechanization | UAS, Bangalore | Reduce the labour and to carry out the farm activity by timely usage of farm machineries  |
| 4.1.11 | Office management in Accounts & Administration with computer application | UAS, Bangalore | Effective management of Office administration and accounts |

**4.2. Cross-learning across KVKs during 2013-14**

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| --- | --- | --- |
| **S. No** | **Name of the KVK proposed**  | **Specific learning areas** |
| **4.2.1** | **Within ring –**1. KVK, Tumkur -A
2. KVK, Chinthamani
 | Quality seeds and planting materials. Nutrient mixture, Exposure visits Improved Sericulture practices and village development concept. Exposure visits |
| **4.2.2** | **Within the zone –**1. KVK, Pattanantitta, Kerala
2. KVK, Kannur, Kerala
 | Water resource conservation technologies, Processing and value addition, market linkages. Exposure visits, Agriculture task force formation Value addition, market linkages. Exposure visits, KVK mall, farmers science museum  |
| **4.2.3** | **Outside zone –**1. KVK, Bharamati, Maharashtra
2. KVK, Mehsana, Ahmadabad, Gujarat
 | Modern farm technologies and method demonstrations, farmer’s service centreRain harvesting technology |

**5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities during 2013-14**

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| --- | --- | --- | --- |
| **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, Hirehalli, Tumkur | Improved horticulture practices, commodity groups, market linkages, quality seeds and planting materialsIntegrated farming system module  | Quality seeds and planting materials. Nutrient mixture, Exposure visits  |
| 5.2 | KVK, Chinthamani | Improved Sericulture practices and village development concept, Exposure visits  |
| 5.3 | KVK, Rananagar | Human resources and Exposure visits |

**6. Operational areas details proposed during 2013-14**

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| --- | --- | --- | --- | --- | --- |
| **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.)\*** |
| 6.1 | Cereals-ragi, maize Pulses- avare, redgram,Vegetables- potato, tomato, beans, capsicum, cabbage, cauliflower, Knolkhol, carrot, chilliFruit crops - grapes, mango, jackFlower crops – gerbera, carnationAnimal husbandry- cows, buffaloes, sheep, goat and backyard poultry,Fodder crops-African tall and napier grassOthers - sericulture | * Lack of soil testing
* Low yields in cereals and pulses
* Lack of knowledge on improved varieties/hybrids in horticultural crops
* Lack of knowledge on integrated pest, disease and nutrient management
* Less knowledge about rain water harvest and ground water recharge
* Lack of awareness on biofertilizers and scientific composting techniques
* Lack of knowledge on market information channels
* Limited income generating activities by SHG groups
* Lack of knowledge on balanced nutrition among school children
* Minimal use of E-Extension services
 | * 95 per cent farmers have not got soil tested
* More than 80 per cent borewells are dried up
* About 75 per cent of the famers are indiscriminately using plant protection chemicals
* 70 percent farmers are practicing indiscriminate fertigation application
* 75 per cent famers are not managing the dairy scientifically
* Post harvest losses in jack fruit is over 40 per cent due to lack of knowledge on processing and value addition
 | Kodihalli, Konaghatta, Shivapura, Chikkatumkur,Kasaba Hobli –**Doddaballapur taluk** | OFT, FLD, Training for farmers and Extension functionaries & other extension activities |
| 6.2 | Cereals- ragi, maize Pulses- redgram, bengal gram Vegetables- cabbage, cauliflower, beetroot, carrot, solanaceous crops, bhendi Fruit crops - grapes, mango, sapota Animal husbandry- cows, buffaloes, sheep, goat and backyard poultry Others- flower crops, fodder crops, sericulture | * Lack of soil testing
* Low yields in cereals and pulses
* Lack of knowledge on improved varieties/hybrids in horticultural crops
* Lack of knowledge on integrated pest & disease management
* Imbalanced and insufficient use of fertilizers in field and horticultural crops
* Fertility problems in cross breeds and desi cows
* Lack of improved cultivation of green fodder
* Non use of improved farm implements
* Indiscriminate use of plant protection chemicals
* Lack of awareness on importance of soil and water conservation practices
* Dry fodder is not being utilized properly
* Marketing of high value fruit crops is not channelized
* Lack of knowledge on market information channels
* SHG groups are not involved in carrying out income generating activities
 | * 90 per cent farmers have not got soil tested
* 60 per cent famers are growing old varieties of ragi ( like Indaf series)
* About 75 per cent of the famers are indiscriminately using plant protection chemicals (traders recommendation)
* 70 percent farmers are not following balanced plant nutrition
* 60 per cent famers are not managing the dairy scientifically
 | Doddakurubarahalli, Naganayakanahalli, Bidalipura, Cheemachenahalli and Beedaganahalli – Channarayapattana Hobli, **Devanahalli taluk** | OFT, FLD, Training for farmers and Extension functionaries & other extension activities  |
| 6.3 | Cereals- ragi, maize Pulses- avare, redgram, Vegetables- cole crops, solanaceous crops, gourds, coriander, carrot, chilli Fruit crops - mango, grapes flower crops –marigold Animal husbandry- cows, buffaloes, sheep, goat and backyard poultry Fodder crops- African tall, Napier grass Others - sericulture, lemon grass | * Lack of soil testing
* Low yields in cereals and pulses
* Lack of knowledge on improved varieties/hybrids in horticultural crops
* Lack of knowledge on integrated pest & disease management
* Soils are becoming sick due to continuous and indiscriminate use of pesticides and fertilizers
* Less knowledge about rain water harvest and ground water recharge
* Lack of awareness on vermi composting techniques
* Lack of knowledge on market information channels
 | * 99 per cent farmers are not following soil test
* 60 famers are growing old varieties of ragi ( like Indaf series)
* About 90 per cent of the famers are indiscriminately using plant protection chemicals
* 70 percent farmers are not following balanced soil & plant nutrition
* 90 per cent famers are not managing the dairy scientifically
* 95 per cent bore wells are dried up and only 5 per cent bore wells are functioning
 | Karehalli, Doddakorati, Chikkorati, Siddanahalli, Nandagudi Hobli –**Hosakote taluk** | OFT, FLD, Training for farmers and Extension functionaries & other extension activities |
| 6.4 | Cereals- ragi, maize Pulses- Avare, redgram, cowpea Vegetables- cole crops, carrot, chilli, drumstick Fruit crops - grapes, mango, jack, Plantation- coconut, Arecanut Animal husbandry- cows, buffaloes, sheep, goat and backyard poultry Fodder crops- African tall and Napier grass  | * Improper water and nutrient management in Arecanut and coconut plantations
* No soil testing practices
* Low yields in cereals and pulses
* Improper use of fertilizers and plant protection chemicals
* Less knowledge on cultivation of improved green fodder varieties
* Less knowledge about rain water harvest and ground water recharge
* Lack of awareness on vermi composting and bio fertilizer
* Post harvest losses in pulse crops due to improper storage practices
* Lack of knowledge on market information channels
 | * 70 per cent farmers are not following soil & water conservation practices.
* 60 per cent farmers are not aware of improved varieties on field and horticulture crops
* 70 per cent farmers are not managing dairy scientifically
* 85 per cent farmers are using fertilizers and pesticides indiscriminately
* About 60 per cent of the bore well are dried up and looking for low water requirement crops
 | Adihosahalli, Obalapura, K.G.Pura colony,Thyamagondlu Hobli **Nelamangala taluk** | OFT, FLD, Training for farmers and Extension functionaries & other extension activities |

\* Support with problem-cause and interventions diagram

**7. Technology Assessment during 2013-14**

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| **Sl. No.** | **Crop/ enterprise** | **Prioritized problem** | **Title of intervention** | **Technology options** | **Source of Technology** | **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** |
| 7.1 | Fodder | Low palatability, anti nutritional factors , low nutritive value in existing fodder varieties/hybrids  | Assessment of multi cut fodders for yield and quality  | T1 – Napier grass (NB-21)T2 – Hybrid Bajra Napier (Co-3)T3 – COFS 29T4 – Dharwad Hybrid Napier (DHN-6)  | IGFRI- Regional station Dharwad | Hybrid Bajra Napier (Co-3)COFS-29Harwad Hybrid Napier DHN-6 | 10001 kg1000 | 5001000500 | 07 | 350070003500**14000** | Palatability, presence of spikelet's on leaves, yield, milk yield | SMS-Agron.SMS-Ag.Extn |
| 7.2 | Tomato | Severity of late blight disease (nearly 80% ) in tomato increasing the number of sprays of curative fungicides | Integrated management of late blight in tomato for reduced use of fungicides  | T1- Mancozeb (0.2%), Dimethomorph (0.1%) + Polyram (0.2%), CoC(0.3%), Sectin (0.1%), Mancozeb+metalaxyl(0.1%), Chlorothalonil (0.2%), Sectin (0.1%), Dimethomorph (0.1%) + Polyram (0.2%), Dimethomorph (0.1%)+ Captan (0.2%),Curzate, CoH, Antracol T2-Prophylatic Mancozeb (0.2%) 2 timesMetalaxyl+ Mancozeb (0.2%), CoC (0.3%)  Fenamidon + Mancozeb (0.2%)T3-Soil application of Trichoderma and Pseudomonas, Prophylatic–Mancozeb (0.2%), Metalaxyl+Mancozeb (0.2%), Fosetyl Al(0.2%),, Dimethomorph (0.1%)+Polyram (0.2%) | TNAU | Metalaxyl + MancozebFenamidon + MancozebFosetyl AlDimethomorph + MetiramTrichoderma Pseudomonas  | 1.25 kg0.6kg0.4kg0.2 kg0.5 kg1 kg1 kg | 21251400800950300340 | 07 | 1487098005600665021002380**41400** | Percent disease severity, yieldB:C ratio | SMS-CPPC-Hort |
| 7.3 | Tomato | 7-15% more fertigation cost and 16-24% less yield by following improper fertigation  | Assessment on effective fertigation for Tomato  | T1- Basal soil application- 90:115:75 kg/ha Fertigation- 165:252.5:195 kg/haFertigation once in 3 days duration requiring 43 fertigation T2- IIHR - Basal soil application -37.5:37.5:30 kg/ha, Fertigation -150:112.5:150 kg/haFertigation once in 3 days duration requiring 37 fertigation T3- TNAU -No basal soil application Fertigation - 150:187.5:187.5 kg/haFertigation once in 3 days duration requiring 40 fertigation | IIHR | 19 AllPottasium nitrateCalcium nitrateMAPSOPValves | 5 kg2.5 kg3.5 kg8 kg8 kg3 Nos. | 430320182864480540 | 07 | 301022401272604833603780**19710** | Soil analysisYieldValue cost ratio | SMS-SS&ACPC-Hort |

## 8. Technology Refinement during 2013-14 - NIL

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| **Sl. No.** | **Crop/ enterprise** | **Prioritized problem** | **Title of intervention** | **Technology options** | **Source of Technology** | **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**  |
| 8.1 |  |  |  |  |  |  |  |  |  |  |  |  |

**9. Frontline Demonstrations during 2013-14**

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| **Sl. No** | **Category** | **Crop/ enterprise** | **Prioritized problem** | **Technology to be demonstrated** | **Specify Hybrid or Variety** | **Name of the Hybrid or Variety** | **Source of Technology** | **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** |
| 9.1 | Cereals | Ragi | Drastic yield reduction due to intermittent drought, blast incidence and imbalanced nutrition  | Introduction of ML-365 finger millet variety for higher yield  | Variety | ML-365 | UAS(B) | SeedAzospirilumPotash | 6 kg 200 g6.4 kg | 24040200 | 25 | 600010005000**12000** | YieldB:C ratioBlast incidence | SMS-AgronSMS-Ag. ExtSMS-SS&AC |
| 9.3 | Oilseeds | Sesamum | Lack of high yielding white seeded sesamum vareity for table purpose | Introduction of high value white seeded Sesamum variety GT-1  | Variety | GT-1 | UAS(B) | SeedsDimethiate | 2 kg 400 ml | 1000600 | 05 | 50003000**8000** | Crop performance, Yield and B:C ratio | SMS-AgronSMS-Ag. ExtSMS-CP |
| 9.4 | Pulses | Red gram | Existing Redgram varieties yields low under delayed sowing  Non adoption of improved production technology  | Integrated crop management in Redgram (Var.BRG-4)  | Variety | BRG-4 | UAS(B) | SeedTrichodermaDicofalProfenophosInndaxcarbSodium molbedateRhizobiumPSB | 6.25 kg30 g300 ml200 ml200 ml25 kg200 g200 g | 48025500350650454545 | 12 | 5760300600042007800540540540**25680** | YieldB:C ratio | SMS-AgronSMS-Ag.ExtSMS-CPSMS-SS&AC |
| 9.5 |  | Bengal gram | Pod borer infestation more than 45% | Integrated management for pod borer in Bengal gram | Variety | JG-11 | UAS(B)-AICRP | JG-11 seedsCoriander seedsTrapsIndauxicarbProfenophos | 26 kgs1.2kgs4 Nos200ml400 ml | 2340108280840260 | 05 | 11700540140042001300**19140** | Pod infestation (%)YieldB:C Ratio | SMS-CPSMS-Agron |
| 9.6 | Commercial crops | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.7 | Horticultural crops | Drumstick | Non availability of tasty drumstick through out the year  | Introduction of drumstick variety for year long harvest | variety | Bhagya | UHS Bagalkot | PlantsTransportation | 200 Nos.- | 3000 250 | 05 | 150001250**16250** | Bearing pattern, yield, B:C ratio | PC-Hort SMS-Ag.Ext |
| 9.8 |  | Tomato | Yield loss due to poor water use efficiency and poor weed control | Management of water and weeds through plastic mulching in Tomato  | - | - | IIHR | Polythene mulch 30 micron thickness with silver and black coating | 50 kgs | 6000 | 05 | **30000** | % water saving% weed reduction, Yield and B:C ratio | PC-HortSMS-CP SMS-Ag.Ext |
| 9.9 |  | Cabbage | DBM, leaf webber and Aphids combined infestation by more than 42%  | Integrated pest management in Cabbage for reduced use of pesticides | Pvt. Hybrid | - | IIHR | Mustard seedsDBM trapsNeem soapBtPongamia soapNovaluronAmamectin benzoatePesticide residue analysis | 0.5 kg5 kg2 kg200 g2 kg250 ml100 mlSample | 125325360520320800900120 | 06 | 750195021603120192048005400720**20820** | Head infestation (%), yieldB:C ratio | SMS-CPPC-Hort |
| 9.10 |  | Sapota | Increasing seed borer infestation by 60% | Management of *Trymalitis margarias* Meyrick. in Sapota | Variety | Cricket ball | IIHR | BtDeltanutrin | 150g1.5 lt | 390773 | 10 | 39007730**11630** | % fruit infestationyield | SMS-CPPC-Hort |
| 9.11 |  | Cauliflower | Reduced curd yield and quality due to curd deformities – brown rot and whip tail maladies  | Enhanced yield and quality in Cauliflower through foliar nutrition  | Hybrid | Private hybrid | IIHR | Boric acidSodium molybdate | 2.25 kg150 gms | 250180 | 15 | 37502700**6450** | Soil analysis Yield of the cropWeight of the curdsB:C ratio | SMS-SS&ACPC-Hort |
| 9.12 |  | Cucumber | Higher flower drops and reduction in yield and quality of cucumber due to boron deficit Alfisols  | Use of boron for enhanced yield and quality in Cucumber  | Hybrid | Pvt. hybrid | IIHR | Cucurbitacea specialBee hive  | 5 kg1 No. | 3004000 | 10 | 300040000**43000** | YieldFruit number per vine Fruit weight Length of the fruitB:C ratio | SMS-SS&ACPC-HortSMS-CP |
| 9.13 |  | Brinjal | Soil borne disease proneness of red sandy soils limits higher yield of brinjal. Lack of awareness on use of bio fertilizers | Use of Arka microbial consortium and micro nutrients for higher returns  | Hybrid | Pvt. hybrid | IIHR | Microbial consortium Vegetable special | 2.5 kg2.5 kg | 250375 | 10 | 25003750**6250** | Soil nutrient status Incidence of soil born diseasesYield | SMS-SS&ACPC-Hort |
| 9.14 | Livestock | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.15 | Fisheries | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.16 | Others | Maize | Poor marketability of maize value added products due to lack of awareness on branding and market linkages | Branding & market linkage of value added maize products | Hands on training on preparation of two maize products, packing, labeling, branding | - | UAS(B) | Packaging materialsLabelsHand sealing machineWeighing balanceVermicelli | 1000 X 2 products1000x 2 products1 unit1 unit1 No. | 20002000250040004000 | 02 | 40004000500080008000**29000** | Cost of productionConsumer preferenceMarketability, | SMS-HS SMS-Ag.ExtPC-HortSMS-Agron |
| 9.17 |  | Jack fruit | 40% post harvest lossLack of knowledge on importance of labeling, packaging and branding of value added products for realizing higher profits | Jack fruit : value addition, branding and market linkage  | Hands on training on preparation of four jack fruit products, packing, labeling, branding | - | UAS(B)FSSAI | Food grade packing materialNutrition labelingAluminium foil coversWeighing scaleCrown corking machine | 300X 2 products @ Rs.10300x 2 products @ Rs.2300x 2 products @Rs.31 unit1 No. | 60001200180040003500 | 02 | 120002400360080007000**33000** | Cost of productionConsumer preferenceMarketability, | SMS-HS SMS-Ag.Ext PC-Hort |
| 9.18 |  | Banana | Non availability of value addition for banana male flower buds utilization | Banana male flower bud pickle – branding and marketing  | Hands on training on preparation of banana pickle, packing, labeling, branding | - | NRC for Banana, TN | Food grade packing material, nutrition labeling, Aluminum foil cover, Weighing scale, Ingredients (spices, vinegar, citric acid, etc)  | 300X 1 products @ Rs.10300x 1 product @ Rs.2300x 1 product @Rs.31 unit- | 300060090040001000 | 02 | 60001200180080002000**19000** | Consumer acceptable and shelf life, cost | SMS-HSPC-HortSMS-Ag.Extn |

**10 Training for Farmers/ Farm Women during 2013-14**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area** | **Crop / Enterprise** | **Major problem** | **Linked field intervention (Assessment/ Refinement/FLD)\*** | **Training Course Title\*\*** | **No. of Courses** | **Expected No. of participants** | **Names of the team members involved** |
| **10.1** | Crop Production  | Ragi / Redgram | Lack of knowledge on improved varietiesImproper choice of the variety for the season. Delayed rainfall pattern and no integrated pest management practicesBlast, lodging, drought and improper nutrition | FLD | Selection of suitable crop/ varieties for right season in Ragi and Redgram Integrated crop management in RedgramDrought mitigation techniques in Ragi and Redgram | 111 | 252525 | SMS-AgronomySMS-Crop ProtectionSMS-SS&AC |
| Sesamum | Low yield and long duration varieties  | FLD | Scientific cultivation of Sesamum for higher returns | 1 | 25 | SMS-AgronomySMS-Crop Protection |
| Agriculture | Unsustainable income from monocropping | - | Integrated Farming System models | 1 | 25 | SMS-Agril.ExtensionSMS-Agronomy, PC |
| Agriculture | Unsustainable income from monocropping | - | Sustainable income generating activities through integrated farming system | 1 | 25 | SMS-Agril.ExtensionSMS-Home Science |
| **10.2** | Horticulture Production  | Drumstick | Acute water shortageShorter pickings, low yields | FLD | Drumstick – a potential crop for less waterScientific cultivation of ‘Bhagya’ a drumstick variety for year long harvest | 11 | 2525 | PC SMS-Agri. Extn |
| Tomato | Poor water use efficiencyWeed menace | FLD | Mulching techniquesManagement of water and weeds through plastic mulching in Tomato | 11 | 2525 | PC SMS-Crop ProtectionSMS-Agri. Extn |
| **10.3** | Livestock Production  | Dairy | Fodder scarcity | - | Forage crop production and storage management techniques | 1 | 25 | SMS-Agril.ExtensionSMS-Agronomy |
| Dairy | Acute fodder scarcity  | - | Fodder production and management techniques for higher milk production  | 1 | 25 | SMS-Agril.ExtensionSMS-Agronomy |
| **10.4** | Home Science  | Finger millet | Malnutrition | OFT | Protective food for health promotion and nutritional security of school children | 1 | 25 | SMS- Home SciencePCSMS-Agril. Extension |
| Banana | Banana male flower bud is waste material during crop production and has no economic value with poor utilization in daily diet | FLD | Value addition of waste banana male flower buds and acceptability | 2 | 50 | SMS- Home ScienceSMS-AgronomyPC |
| Maize | Low income realization due to lack of knowledge on importance of labeling , packaging and branding | FLD | Branding and market linkage for value added products | 1 | 25 | SMS- Home SciencePCSMS-Crop Protection |
| Jack | Poor marketing ability  | FLD | Value addition and market linkage for jack | 1 | 25 | SMS-Home ScienceSMS-Agril.Extension |
| Millets | Untapped market potential | - | Production and value addition techniques for minor millets | 1 | 25 | SMS-Agril.ExtensionSMS-Home Science |
| Agriculture | Wide gap in farm gate and retail prices of pulses | - | Post harvest processing, value addition and marketing techniques in pulses | 1 | 25 | SMS-Agril.ExtensionSMS-Home ScienceSMS-Agronomy |
| Agriculture | Untapped potential in value addition  | - | Value addition and marketing techniques in ragi | 1 | 25 | SMS-Agril.ExtensionSMS-Home ScienceSMS-Agronomy  |
| **10.5** | Plant Protection | Tomato | Fruit borer Late blight early blight viral diseases | OFT - | IP&DM in TomatoMonitoring pests and disease surveillance in tomato | 11 | 2525 | SMS-Crop ProtectionPCSMS-Agri. Extension |
| Tomato | Fruit borer Late blight | - | Pest and disease Management in vegetable crops | 1 | 25 | SMS-Agri. ExtensionSMS-Crop Protection |
| Bengal gram | Pod borer | FLD | IP&DM in Bengal gram | 1 | 25 | SMS-Crop ProtectionSMS-Agronomy |
| Cabbage | Webber, Aphids Bacterial blight, DBM | FLD | IP&DM in Cabbage | 1 | 25 | SMS-Crop ProtectionPCSMS-SS&AC |
| Sapota | Fruit borerNutrition | FLD | ICM in Sapota | 1 | 25 | SMS-Crop Protection PCSMS-SS&AC |
| Vegetable & Fruit crops | Indiscriminate use of pesticides  | - | Safe use of Pesticides and role of Biopesticides in IPM  | 1 | 25 | SMS-Crop ProtectionSMS-Agri. Extension |
| **10.6** | Production of Inputs at Site | Composting technique | Lack of awareness of scientific composting and bio fertilizers | - | Scientific method of composting and enrichment technique | 1 | 25 | SMS-SS&ACSMS-Crop Protection |
| **10.7** | Soil Health and Fertility  | CauliflowerTomatoBrinjalCucumber | Soil health and nutrient managementNutrient use efficiency and fertigation techniquesImbalanced nutritionSoil borne diseaseImbalanced nutrition  | FLDFLDOFTFLDFLD | Importance of soil testing and fertilizer application in cauliflower Intercultural operation and water management technique in cauliflowerNutrient management- role of macro and micro nutrients and their management techniques Importance biofertilizers and foliar nutritionImportance of micro nutrients in vegetable crop production | 11111 | 2525252525 | SMS-SS&ACSMS-Crop ProtectionPC |
| Soil health | Imbalanced nutrition | - | Nutrient management technique through site specific application and INM | 1 | 25 | SMS-SS&ACSMS-Agronomy |
| Field crops | Imbalanced soil nutrition | - | Integrated nutrient management in rainfed farming | 1 | 25 | SMS-Agril.ExtensionSMS-SS&ACSMS-Agronomy |
| Agriculture | Low soil fertility due to imbalanced chemical fertilizers | - | Improving soil fertility through different composting methods  | 1 | 25 | SMS-Agril.ExtensionSMS-SS&AC |
| Horticulture | Low yield, quality and market value | - | Micronutrient management and foliar application techniques for vegetable crops | 1 | 25 | SMS-Agril.ExtensionSMS-SS&AC |
| Agriculture | Depletion of soil fertility status | - | Scientific compost making and nutrient management techniques | 1 | 25 | SMS-Agril.ExtensionSMS-SS&AC |
| **10.8** | PHT and value addition | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.9** | Capacity Building Group Dynamics | Agriculture | Lack of market information for decision making  | - | Market information management | 1 | 25 | SMS-Agril.ExtensionSMS-Home Science |
|  |  | Agriculture | Financial dependence and poor decision making ability | - | Entrepreneurship development of SHGs. | 1 | 25 | SMS-Agril.ExtensionSMS-Home Science |
| **10.10** | Farm Mechanization  | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.11** | Fisheries Production Technologies | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.12** | Mushroom production | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.13** | Agro forestry | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.14** | Bee Keeping | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.15** | Sericulture | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **10.16** | Water Conservation | Horticulture | Water scarcity | - | Water use efficiency in horticultural crops | 1 | 25 | SMS-Agril.ExtensionSMS-SS&ACPC |

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

**11. Training for Rural Youth during 2013-14**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area** | **Crop / Enterprise** | **Major problem** | **Linked field intervention (Assessment/ Refinement/FLD)\*** | **Training Course Title\*\*** | **No. of Courses** | **Expected No. of participants** | **Names of the team members involved** |
| **11.1** | Crop Production  | Agriculture | Unsustainable yields and income from farm | - | Sustainable livelihood security through Integrated Farming System  | 1 | 25 | SMS-Agril.ExtensionSMS-AgronomyPC |
| **11.2** | Horticulture Production  |
| **11.3** | Livestock Production  | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **11.4** | Home Science  | Agriculture | Wide gap in farm gate prices and processed products | - | Production and marketing techniques of value added products for income generation | 1 | 25 | SMS-Agril.ExtensionSMS-Home SciencePC |
| Horticulture | Middle men exploitation in market price  | - | Value addition and market linkage techniques in mango and jack | 1 | 25 | SMS-Agril.ExtensionSMS-Home SciencePC |
| **11.5** | Plant Protection | Agriculture | Lack of awareness and availability of bio agents | - | Development of entrepreneurship skills in production and marketing of bio inputs  | 1 | 25 | SMS-Agril.ExtensionSMS-Crop Protection |
| **11.6** | Production of Inputs at Site | Horticulture | Lack of availability of quality planting material | - | Advanced nursery techniques in production of quality horticultural plants | 1 | 25 | SMS-Agril.ExtensionPC |
| **11.7** | Soil Health and Fertility  | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **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 | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
| **11.16** | Natural resource management | Agriculture | Water scarcity and drought threat | - | Natural Resource management | 1 | 25 | SMS-Agri. ExtensionSMS-SS&ACSMS-Agronomy |

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

### 12 Trainings for Extension Personnel during 2013-14

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area** | **Training Course Title\*\*** | **No. of Courses** | **Expected No. of participants** | **Names of the team members involved** |
| **12.1** | Crop Production | Production technology and contingent crop planning for field crops | 1 | 25 | SMS-Agricultural ExtensionSMS-Agronomy |
| Principles of soil testing and interpretation of soil test values for fertilizer recommendations | 1 | 25 | SMS-Agricultural ExtensionSMS-SS&AC |
| **12.2** | Home Science | Health and nutrition education with special reference to women and children | 1 | 25 | SMS-Agricultural ExtensionSMS(Home Science) |
| **12.3** | Capacity Building and Group Dynamics | Application of Electronic media in agricultural extension work | 1 | 25 | SMS-Agricultural ExtensionProgramme Assistant (Computer) |
| **12.4** | Horticulture | - | - | - | - |
| **12.5** | Livestock Production & Management | **-** | **-** | **-** | **-** |
| **12.6** | Plant Protection | Advanced IPM techniques for Kharif/rabi crops | 1 | 25 | SMS-Agricultural ExtensionSMS-Crop Protection |
| **12.7** | Farm Mechanization | **-** | **-** | **-** | **-** |
| **12.8** | PHT and value addition | **-** | **-** | **-** | **-** |
| **12.9** | Production of Inputs at Site | **-** | **-** | **-** | **-** |
| **12.10** | Sericulture | **-** | **-** | **-** | **-** |
| **12.11** | Fisheries | **-** | **-** | **-** | **-** |

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

## 13 Vocational trainings during 2013-14

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 if any** | **Names of the team members involved** |
| 13.1 | Crop Production | Sustainable livelihood security through Integrated Farming System  | 1 (5 days) | Youth | 25 | - | SMS-Agril.ExtensionSMS-AgronomyPC |
| 13.2 | Home Science | Value addition and market linkage techniques in mango and jack | 1 (5 days) | Youth | 25 | - | SMS-Agril.ExtensionSMS-Home SciencePC |
| 13.3 | Capacity Building and Group Dynamics | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.4 | Horticulture | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.5 | Livestock Production & Management | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.6 | Plant Protection | Development of entrepreneurship skills in biocontrol agent production and marketing | 1 (5 days) | Youth | 25 | - | SMS-Agril.ExtensionSMS-Crop ProtectionPC |
| 13.7 | Farm Mechanization | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.8 | PHT and value addition | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.9 | Production of Inputs at Site(quality planting material) | Advanced nursery techniques in production of quality horticultural seedlings/saplings/grafts | 1 (5 days) | Youth | 25 | - | SMS-Agril.ExtensionPC |
| 13.10 | Sericulture | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.11 | Fisheries | **-** | **-** | **-** | **-** | **-** | **-** |
| 13.12 | Resource Management | Natural Resource Management | 1 (5 days) | Youth | 25 | - | SMS-Agril.ExtensionSMS-AgronomySMS-SS&AC |

\* Training title should specify the major technology/skill to be transferred.

## 14 Sponsored trainings during 2013-14

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| 14.1 | Crop Production | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.2 | Home Science | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.3 | Capacity Building and Group Dynamics | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.4 | Horticulture | Usefulness of Biofuel plants, nursery techniques, cultivation, harvesting, oil extraction, filtration, esterification, value addition to by-products. | 10 (one day) | SHGs, School students, farmers/Women, rural youth | 300 | Karnataka State Biofuel Development Board (KSBDB) | PCSMS-AgronomySMS-Crop ProtectionSMS-Agri. ExtensionIDC Staff |
| 14.5 | Livestock Production & Management | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.6 | Plant Protection | Integrated pest & disease management practices for vegetable crops | 02 (1 day) | SHG, Youth farmers etc | 25 | Pesticide company | SMS-Crop ProtectionSMS-Agril. Extension |
| 14.7 | Soil Science | Integrated nutrient management technique in vegetable crops | 01 (3 days) | Youth | 15 | ZUARI Industries | SMS-SS&ACSMS-Crop ProtectionPC |
| 14.8 | Farm Mechanization | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.9 | PHT and value addition | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.10 | Production of Inputs at Site | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.11 | Sericulture | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.12 | Fisheries | **-** | **-** | **-** | **-** | **-** | **-** |
| 14.13 | Natural Resource Management | Scaling up of Water Productivity | 1 (5 days) | Youth | 25 | WTC, Bhubaneswar \* | SMS-Agril.ExtensionSMS-SS&AC |

\* Programme title should specify the major technologies/skills to be transferred /refreshed.

## 15. Extension programmes during 2013-14

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Extension programme\*** | **No. of programmes or activities** | **Expected No. of participants** | **Names of the team members involved** |
| 15.1 | Advisory Services  | 200 | 250 | PC & All SMSs |
| 15.2 | Diagnostic visits  | Whenever necessary | - | Concerned subject |
| 15.3 | Field Day  | 18 | 900 | PC & All SMSs |
| 15.4 | Group discussions | 10 | 125 | PC & All SMSs |
| 15.5 | Kisan Ghosthi  | 06 | 210 | PC & All SMSs |
| 15.6 | Film Show  | 50 | 1250 | PC & All SMSs |
| 15.7 | Self -help groups  | 02 | 40 | SMS(HSc), SMS(Ag.Extn) |
| 15.8 | Kisan Mela  | 01 | 100 | PC & All SMSs |
| 15.9 | Exhibition  | 05 | 4750 | PC & All SMSs |
| 15.10 | Scientists' visit to farmers field  | 150 | 150 | PC & All SMSs |
| 15.11 | Plant/Soil health/Animal health camps | 05 | 250 | SMS(Crop Protn.), SMS(Soil Sc.), SMS(Agri.Extn) |
| 15.12 | Farm Science Club | 10 | 200 | SMS(HSc), SMS(Ag.Extn) |
| 15.13 | Ex-trainees Sammelan  | 01 | 50 | PC & All SMSs |
| 15.14 | Farmers' seminar/workshop  | 01 | 50 | PC & All SMSs |
| 15.15 | Method Demonstrations  | 25 | 300 | PC & All SMSs |
| 15.16 | Celebration of important days  | 05 | 550 | PC & All SMSs |
| 15.17 | Special day celebration | 02 | 80 | PC & All SMSs |
| 15.18 | Exposure visits \* | - | - | - |
| 15.19 | Technology week \* | 01 | 150 | PC & All SMSs |
| 15.20 | FFS | 02 | 60 | PC & SMSs |
| 15.21 | Farm innovators meet | - | - | - |
| 15.22 | Awareness programs | 03 | 150 | PC & All SMSs |
|  | Others, pl. specify |  |  |  |

*\* Organize the programmes if funds are provided*

## 16. Activities proposed as Knowledge and Resource Centre during 2013-14

**16.1 Technological knowledge**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Category** | **Details of technologies** | **Area (ha)/****Number** | **Names of the team members involved** |
| 16.1.1 | Technology Park/ Crop cafeteria |  Nutrition garden, Crop museum - Fodder, Ragi, Redgram, Field bean, etc | 01 ha | PC & All SMSs |
| 16.1.2 | Demonstration Units  | Millet processing unit | 01 No. | PC, SMS(Home Science), SMS(Agronomy) |
| 16.1.3 | Lab Analytical services  | Soil testing and fertilizer recommendation based on STVTesting the quality of irrigation water Diagnosis of plant samples for pest and diseases through PHC  | 580 Nos.360 Nos.50 Nos. | SMS(SS&AC)SMS(SS&AC)SMS(Crop Protection) |
| 16.1.4 | Technology Week  | IFS, Value Addition and Market linkage | 01 No. | PC & All SMSs |

**16.2 Technological Products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Category** | **Name of the product** | **Quantity (Qtl.)/ Number planned to be produced during 2013-14** | **Names of the team members involved** |
| 16.2.1 | Seeds  | Ragi | 40 qtl. | Farm Manager, SMS(Agronomy)  |
| Redgram | 20 qtl. | Farm Manager, SMS(Agronomy)  |
| 16.2.2 | Planting materials  | Jack, Mango, Papaya, Guava, Lime, Jamoon, drumstick, curry leaf, pomegranate, Amla, Amruthaballi, Tulasi, Doddapatre, Fodder slips, etc. | 20000 Nos. | PC, Farm Manager |
| 16.2.3 | Bio-products  | Trichoderma | 100 kgs. | SMS(Crop Protection) |
| Vermi compost | 05 tons | SMS(Agronomy) |
| Vegetable special – nutrient mixture | 01 ton | SMS(SS&AC) |
| 16.2.4 | Livestock strains | Calves | 02 Nos. | SMS(Agril. Extension), Farm Manager |
| Piglets | 12 Nos. | SMS(Agril. Extension), Farm Manager |
| 16.2.5 | Fish fingerlings | - | - | - |
| 16.2.6 | Finger millet | Cleaning & millingMaltPapadMixture | 600 kgs20 kgs20 kgs20 kgs | SMS(Home Science) |

**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 | 06 | PC & All SMSs |
|  | Horticulture  | 01 | PC & SMSs |
|  | Animal Husbandry  | - | - |
|  | Fisheries  | - |  |
|  | Agricultural Engineering | - |  |
|  | Sericulture  | - |  |
|  | Others, pl. specify | - |  |
| 16.3.2 | Literature/publication  | 10 | PC & All SMSs |
| 16.3.4 | Electronic Media | 05 | PC & All SMSs |
| 16.3.5 | Kisan Mobile Advisory Services  | 52 | Programme Asst. (Computer) & All SMSs |
| 16.3.6 | Information on centre/state sector schemes and service providers in the district.  | 01  | PC & All SMSs |

## 17. Additional Activities Planned during 2013-14

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Name of the agency / scheme** | **Name of activity** | **Technical programme with quantification** | **Financial outlay (Rs.)** | **Names of the team members involved** |
| 17.1 | KaMPA  | Amla campaign in BRD | Propagation of improved Amla varieties and awareness on use of Amla on mental ability of school children  | 2,50,000/- | PC and SMS (Home science) |
| 17.2 | Karnataka State Biofuel Development Board, GOK  | Information & Demonstration Centre on Biofuel | Biofuel seed procurement, storage and extraction of bio diesel, cake, etc | 5,00,000/- | PC and SMS(Agronomy), I&D Centre Staff |
| 17.3 | GOK / UAS (B) | IFSD | Promotion and integration of various agricultural and allied activities to improve the lively hood security  | 54,00,000/- | All the technical staff of the KVK, IFSD staff |

**18. Revolving Fund**

**18.1 Financial status**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Opening balance as on 01.04.2012****(Rs.in Lakh)** | **Expenditure incurred during 2012-13****(Rs.in Lakh)** | **Receipts during****2012-13****(Rs.in Lakh)** | **Closing balance as on 31.03.2013****(Rs.in Lakh)** | **Expected closing balance by 31.12.2013 (Including value of material in stock)** |
| 7.21 | 13.52 | 13.02 | 7.70 | 9.21 |

**18.2 Plan of activities under Revolving Fund**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Proposed activities** | **Expected output** | **Anticipated income (Rs.)** | **Names of the team members involved** |
| 18.2.1 | Seed Production | 60 qtls | 2,20,000/- | SMS(Agronomy), Farm Manager |
| 18.2.2 | Production of planting material | 20000 No’s | 3,80,000/- | PC, Farm Manager |
| 18.2.3 | Milk production | 6000 ltrs | 1,50,000/- | SMS(Agril. Extension), Farm Manager |
| 18.2.4 | Piggery | 12 piglets | 30,000/- | SMS(Agril. Extension), Farm Manager |
| 18.2.5 | Production of Vegetable special  | 1000 kgs | 1,50,000/- | SMS(SS&AC) |

## 19. Activities of soil, water and plant testing laboratory during 2013-14

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **Type** | **No. of samples to be analyzed** | **Names of the team members involved** |
| 19.1 | Soil  | 580 | SMS(Soil Science) |
| 19.2 | Water  | 360 | SMS(Soil Science) |
| 19.3 | Plant | 50 | SMS(Crop Protection) |
| 19.4 | Others  | - | - |

## 20. E-linkage during 2013-14

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. 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  | - | - |
| 20.2 | Creation and maintenance of relevant database system for KVK | - | - |
| 20.3 | Any other (Please specify) | - | - |

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

|  |  |  |
| --- | --- | --- |
| **Sl. No** | **Activities planned** | **Remarks if any** |
| 21.1 | - | - No such scheme - |

**22. Innovative Farmer’s Meet**

|  |  |  |
| --- | --- | --- |
| **Sl.No.** | **Particulars** | **Details** |
| 22.1 | Are you planning for conducing Farm Innovators meet in your district? |  No |
| 22.2 | If Yes likely month of the meet | - |
| 22.3 | Brief action plan in this regard | - |

**23. Farmer’s Field School planned**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Thematic area** | **Title of the FFS** | **Budget proposed in Rs.** |
| 23.1 | Tomato | Integrated crop management in Tomato | 30,000/- |

**24. Innovative activity**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Thematic area** | **Title of the activity** | **Budget proposed in Rs.** |
| 24.1 | Market led extension | Innovative market linkage approach for grape growers | 70,000/- |

**25. Establishment of Community Based Organizations (CBO)**

|  |  |  |
| --- | --- | --- |
| **SMS discipline** | **Home Science** | **Agril. Extension** |
| **Purpose** | **Place** | **Purpose** | **Place** |
| CBO -1  | Value addition in millets and market linkage  | Hosakote | Market linkage for Grape growers  | Devanahalli |
| CBO -2  | Value addition in Jack fruit  | Doddaballapura | Market linkage for Grape growers | Doddaballapura |
| CBO -3  | Value addition in maize  | Nelamangala | Local processing and value addition in Redgram  | Doddaballapura |
| CBO -4  | Amla value addition  | Doddaballapura | To share farm implements on hire basis  | Doddaballapura |
| CBO -5  | Spice mixes production and marketing  | Doddaballapura | To facilitate higher production and marketing of vermi compost  | Doddaballapura |
| CBO -6  | Value addition in milk and market linkage  | Doddaballapura | To facilitate higher production and marketing of honey  | Doddaballapura |
| **Budget** | **Rs. 6000 per CBO x 12 CBOs = Rs.72000/-** |

**25. Budget - Details of budget utilization (2012-13) upto 31 March 2013**

**(Figures in Rs.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.****No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **25.1**  | **Recurring Contingencies** |  |  |  |
| 25.1.1 | **Pay & Allowances** | 4800000 | 4800000 | 4800000 |
| 25.1.2 | **Traveling allowances** | 150000 | 150000 | 150000 |
| 25.1.3 | **Contingencies** |  |  |  |
| A | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance  | 300000 | 300000 | 300000 |
| B | POL, repair of vehicles, tractor and equipments | 250000 | 250000 | 249964 |
| C | Meals/refreshment for trainees  | 100000 | 100000 | 99994 |
| D | Training material  | 75000 | 75000 | 74902 |
| E | Frontline demonstration except oilseeds and pulses  | 380000 | 380000 | 377169 |
| F | On farm testing  | 100000 | 100000 | 98114 |
| G | Training of extension functionaries | 25000 | 25000 | 24958 |
| H | Maintenance of buildings | 50000 | 50000 | 49998 |
| I | Farmers’ Field School  | 25000 | 25000 | 24405 |
| j | Extension Activities | 25000 | 25000 | 24795 |
| J | Library  | 5000 | 5000 | 5000 |
| **25.1**  | **Total Recurring (A)** | **6285000** | **6285000** | **6279299** |
| **25.2** | **Non-Recurring Contingencies** | 0 | 0 | 0 |
| 25.2.1 | **Works** | 0 | 0 | 0 |
| 25.2.2 | **Equipments including SWTL & Furniture** | 0 | 0 | 0 |
| 25.2.3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | 0 | 0 | 0 |
| 25.2.4 | **Library**  | 0 | 0 | 0 |
| **25.2** | **Total Non Recurring (B)** | **0** | **0** | **0** |
| **25.3** | **REVOLVING FUND (C)** | 0 | 0 | 0 |
| **25.4** | **GRAND TOTAL (A+B+C)** | **6285000** | **6285000** | **6279299** |

**26. Details of Budget Estimate (2013-14) based on proposed action plan (PROPOSED BY KRISHI VIGYAN KENDRA, BANGALORE RURAL DISTRICT)**

|  |  |  |
| --- | --- | --- |
| **Sl.****No.** | **Particulars** | **BE 2013-14 proposed (Rs.)** |
| **26.1** | **Recurring Contingencies** |  |
| 26.1.1 | **Pay & Allowances** | 81.00 |
| 26.1.2 | **Traveling allowances** | 1.80 |
| 26.1.3 | **Contingencies** |  |
| A | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 3.00 |
| B | POL, repair of vehicles, tractor and equipments | 3.00 |
| C | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 3.00 |
| D | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 1.50 |
| E | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) + IFS (Rs.50000) | 3.31 |
| F | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 0.75 |
| G | Training of extension functionaries | 0.40 |
| H | Maintenance of buildings | 0.80 |
| I | Establishment of Soil, Plant & Water Testing Laboratory | - |
| J | Library (Purchase of Journal, Periodicals, News paper & Magazines) | 0.10 |
| *26.1* | **TOTAL Recurring Contingencies** | **98.66** |
| **26.2** | **Non-Recurring Contingencies** |  |
| 26.2.1 | **Works**1. Road Formation
2. Micro Irrigation systems
 | 10.002.00 |
| 26.2.2 | **Equipments including SWTL & Furniture**1. Farm Implements
2. Computers with Accessories
3. Generator
 | 5.002.005.00 |
| 26.2.3 | **Vehicle** (Four wheeler) - **Jeep** | 10.00 |
| 26.2.4 | **Library** (Purchase of assets like books & journals) | 0.25 |
| **26.2** | **TOTAL Non-Recurring Contingencies** | **34.25** |
| **26.3** | **REVOLVING FUND** |  |
| **26.4** | **GRAND TOTAL** | **132.91** |

**Details of BUDGET SANCTIONED (2013-14) BY THE ZPD, ZONE VIII**

|  |  |  |
| --- | --- | --- |
| **Sl.****No.** | **Particulars** | **BE 2013-14 (Rs.)** |
| **A** | **Recurring Contingencies** |  |
| 1 | **Pay & Allowances** | 43.00 |
| 2 | **Traveling allowances** | 1.75 |
| 3 | **Contingencies** |  |
| A | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter  | 2.35 |
| B | POL, repair of vehicles, tractor and equipments | 2.10 |
| C | Meals/refreshment for trainees (@ Rs.75/day/trainee for residential and @Rs.40/day/trainee for non-residential trainings) | 0.90 |
| D | Training material (need based materials and equipments for conducting the training) | 0.80 |
| E | Frontline demonstration (FLD+IFS = 3.30 lakhs and Innovative programme=0.70 lakhs) | 4.00 |
| F | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 0.75 |
| G | Training of extension functionaries | 0.25 |
| H | Maintenance of buildings | 0.50 |
| I | Extension activities  | 0.50 |
| J | Farmer’s Field school | 0.30 |
| K | Library (Purchase of Journal, Periodicals, News paper & Magazines) | 0.05 |
|  | **TOTAL Recurring Contingencies** | **57.25** |
| **B** | **Non-Recurring Contingencies** |  |
| 1 | **Works** | 0 |
| 2 | **Equipments including SWTL & Furniture** | 0 |
| 3 | **Vehicle** (Four wheeler)  | 0 |
| 4 | **Library** (Purchase of assets like books & journals) | 0 |
|  | **TOTAL Non-Recurring Contingencies** | **57.25** |
| **C** | **REVOLVING FUND** |  |
| **26.4** | **GRAND TOTAL (A+B+C)** | **57.25** |