**ICAR-ATARI, ZONE-XI, HEBBAL, BANGALORE**

**PROFORMA FOR ACTION PLAN 2020-21**

**GUIDELINES**

**(Please read carefully before preparing action plan)**

1. It is mandatory to fill all the items of activities in the format. Further, additional activity/activities within the mandate which are relevant to increase income of farmers in the operational villages will be encouraged.
2. For the activities proposed to be continued, all the data of the previous year(s) must be presented, supported by visuals.
3. Please finalize the Doubling Farmers Income (DFI) document of the district first before taking up the action plan for 2020-21. Select villages and the technologies/interventions identified for DFI as the basis for Action Plan 2020 21.
4. Integrate all the ongoing major schemes like CFLDs, Seed Hub, NICRA, ARYA, Sujala, ASCI skill training, KKAetc.as well as sponsored projects such as state/central sector projects, host organization activities and other agencies in the selected villages.
5. Villages where ongoing projects are implemented may be considered on priority as cluster villages (operational) for KVK action plan.
6. Household as a whole need to be emphasized with possible interventions to achieve significant increase in income within a short period of time. KVK can plan to cover all households in a phased manner.
7. Benchmark (baseline) data on extent of technology adoption, yield, cost and income must be clearly documented for the farm families covered so that the impact can be easily monitored and recorded after KVK interventions.
8. Decide on the number of households to be covered in each village based on schemes implemented and budget available.
9. Plan to involve all sections of the community and households (women, youth, SC/ST etc).
10. Action plan should include a combination of OFTs, FLDs, training and extension activities to achieve higher productivity/income.
11. Entire KVK team must be involved in the preparation of action plan for combination of interventions.
12. In the case of FLDs on varietal performance, ensure that the varieties / hybrids are not older than 10 years.
13. Vocational trainings, EDPs and Market interventions should be planned for value-chain oriented activities of the major crops/commodities.
14. Recommendations of SAC related to technical activities should be addressed in the action plan.

**ICAR-ATARI, ZONE –XI, HEBBAL, BENGALURU**

###### PROFORMA FOR ACTION PLAN OF KVKs IN ZONE XI FOR 2020-21

###### 1. General information about the KrishiVigyan Kendra

|  |  |  |  |
| --- | --- | --- | --- |
| 1.1 | Name and address of KVK with phone, fax and e-mail ID | : | **ICAR –KrishiVigyan Kendra,**  BapoojiSevakSamaj,  Pethotty P.O, Santhanpara, Idukki (Dt.), Kerala, PIN-685619.  Email: [*kvksanthanpara@gmail.com*](mailto:kvksanthanpara@gmail.com), [*kvk.Idukki@icar.gov.in*](mailto:kvk.Idukki@icar.gov.in) |
| 1.2 | Name and address of host organization | : | **BapoojiSevakSamaj,**  Kakkattu House, Meenadom P.O.,  Pampady, Kottayam (Dt.), Pin-686 516, Kerala.  Phone: 0481-2506271, Mob: 9656711554  Email: [*bkvkchairperson@gmail.com*](mailto:bkvkchairperson@gmail.com) |
| 1.3 | Year of sanction | : | 1994 |
| 1.4 | Website address of KVK and date of last update |  | Web URL: [*www.kvkidukki.org*](http://www.kvkidukki.org)  Date:06/03/2020 |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Discipline** | **If permanent, please indicate** | | **Date of joining** | **If temporary, pl. indicate the consolidated amount paid (Rs./month)** |
| **Current**  **pay band** | **Current grade pay** |
| 2.1 | Senior Scientist & Head | Dr. R. Marimuthu | Senior Scientist and Head | 37400-67000 | 9000 | 17-01-2019 | **-** |
| 2.2 | Subject Matter Specialist | Dr. S. Jayababu | Animal Husbandry | 15600-39100 | 5400 | 19-06-1995 | **-** |
| 2.3 | Subject Matter Specialist | ManjuJincyVarghese | Soil Science | 15600-39100 | 5400 | 10-01-2011 | **-** |
| 2.4 | **Subject Matter Specialist** | **Vacant** | **Horticulture** | 15600-39100 | 5400 | - | **-** |
| 2.5 | Subject Matter Specialist | SudhakarSoundarajan | Plant Protection | 15600-39100 | 5400 | 27-01-2011 | **-** |
| 2.6 | Subject Matter Specialist | Ashiba A | Agronomy | 15600-39100 | 5400 | 07-01-2019 | **-** |
| 2.7 | Subject Matter Specialist | Preethu K. Paul | Agricultural Extension | 15600-39100 | 5400 | 07-01-2019 | **-** |
| 2.8 | Programme Assistant (Lab Assistant) | Jayisy Joseph | Home Science | 9300-34800 | 4200 | 20-06-1995 | **-** |
| 2.9 | Programme Assistant (Comp. Prog.) | Biju Narayanan | Computer | 9300-34800 | 4200 | 01-10-2007 | **-** |
| 2.10 | Programme Assistant (Rural Craft) | Rachel Skariakutty | Rural Craft | 9300-34800 | 4200 | 05-06-1995 | **-** |
| 2.11 | Accountant/Superintendent | Shaji K. Kakkattu | - | 9300-34800 | 4200 | 05-06-1995 | **-** |
| 2.12 | Stenographer | Daisy Daniel | - | 5200-20200 | 1900 | 05-06-1995 | **-** |
| 2.13 | Driver 1 | P. Nandagopal | - | 5200-20200 | 2000 | 05-06-1995 | **-** |
| 2.14 | **Driver 2** | **Vacant** | - | 6460-20200 | 2000 | - | **-** |
| 2.15 | Supporting staff 1 | P. Sabu | - | 5200-20200 | 1800 | 05-06-1995 | **-** |
| 2.16 | Supporting staff 2 | K.T. Mathew | - | 5200-20200 | 1800 | 05-06-1995 | **-** |

**3. Details of SAC meeting conducted during 2019-20:** Not conducted during reporting period. SAC Meeting planned on 18-03-2020 was postponed due to the outbreak of Corona virus.

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Major recommendations** | **Status of action taken in brief** | **Reasons for no actions, if any** |
| **07.12.18** | 1) Introduce and explain the quality of Bio 21 product for cardamom plants. This will reduce the cost of cultivation and improve cardamom production and can be promoted by KVK  2) For wild elephants and monkey nuisance KVK should try repellant products of KAU and PDCB for testing and then recommend it for future and also make the product available in KVK always.  3) KVK should recommend foliar spray and cardamom special for post flood management due to heavy soil erosion  4) KVK should test milky mushrooms for suitable season and it should be popularized.  5) EPN technology should be transferred widely to many places, through OFT and FLD.  6) Plantation crops like coffee should be promoted more with the assistance from Coffee Board and should concentrate more on value added products like coffee juice, coffee flower powder, leaf powder and it should also be used for baking purpose. Horticulture and Home Science Scientists should concentrate on Coffee juice extraction and should conduct trails on the same.  7) KVK programmes and major events should be broadcasted via, All India Radio, Devikulam, through *KisanVani*Programme.  8) KVK should support All India Radio, DevikulamStation to implement a model Kitchen garden at their premises.  9) KVK should encourage and enhance quality layer poultry bird production  10) All the mandatory technologies should be linked with ATMA  11) Farmers should be made aware on the usage of Banned pesticides  12) Value addition in Jack Products should be popularized  13) Increase the number of campaigns on IPM | Test sample given to ICAR NBAIR, Bengaluru for analysis and the report has been received from NBAIR. Now farmers are following the technology  OFT has been conducted to mitigate the problem with the LED light for wild elephant’s nuisance. This year we are proposing demonstration of this technology for the above said purpose.  Foliar spray of Cardamom Special was recommended in many places. Demonstrations on INM in pepper and Banana were conducted. Soil test campaigns were conducted and distributed soil health cards to the farmers. Technological products like cardamom special, Pepper special, banana special and Vegetable special are available at KVK for benefit of farming community.  KVK is planning to conduct Milky mushroom on trial basis.  OFT & FLD done, EPN production and supply are being undertaken with the technical support of ICRI, Myladumpara and NBAIR, Bengaluru. Now the EPN technologies are followed by more than 1500 farmers.  3 processing and Value addition training on Coffee were conducted at Adimali,Vandiperiyar and Vazhavara under sponsorship with Coffee board. And also value added products on Cocoa like Home made Chocolate and Sip up were prepared and the commercial basis training were given to the farmers.  Details of all the current programmes are being broadcasted/telecasted in the print and electronic media. And also nowadays KVK programmes are regularly telecasted by local channel of “Cobalt” News Channel.  A model kitchen or Nutritional garden to be initiated at AIR,Devikulam  OFT programme has been conducted on hybrid poultry layer birds. Based on this, FLD programme has been proposed to cluster village of DFI. And also Poultry layer demonstration unit to be established in forthcoming financial year at KVK.  Popularization of all technologies through ATMA by demonstration mode.  5 no’s of awareness campaigns have been conducted for the same. And also awareness programmes were conducted for Planters and Dealers in collaboration with Spices Board, Department of Agriculture and other voluntary agencies.  A vocational training programme on value addition in jack has been conducted. And also value added products on Jack Fruit like Home made Chocolate and Sip up were prepared and trained to the farmers.Based on this a SHG named Jwala SHG started at Nariampara near Kattappana.They are producing value added product of Jack fruit like Jack chips, Jam, Squash,Jelly,Halwa, Ice cream, Sip up, Jack cake, Tender jack Pickle, Jack seed powder, Dehydrated jack powder and jack powder.  Campaigns have been conductedin association with the state Department of Agriculture, Spices Board and ICAR institutions | - |

**4. Details of operational areas proposed during 2020-21 (Please refer to the implementation plan of DFI)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Clusters** | **Major crops & enterprises being practiced in cluster villages** | **Prioritized problems in these crops/ enterprise that limit yield and income** | **Extent of area (ha/No.) affected by the problem in the village** | **Proposed intervention (OFT, FLD, Training, extension activity etc.)\*** |
| Cluster A (Udumbanchola) | Banana | 1)High soil acidity (nearly-4.4)  2)Sudden Plant mortality Considerable yield reduction due Fusariumwilt  3) Inward marginal yellowing of older leaf followed by marginal necrosis  4) Yellow stripes parallel to leaf midrib and crinkling of leaves.  5) Unfolding of leaf is delayed  6) Flag leaf deformed | 300 ha | OFT, Training, Extension activities |
|  | Small Cardamom | 1) Panicles become stunted.  2) Shedding of flowers and immature capsules thus reducing the total number of capsules formed.  3)Infestation causes formation of corky encrustation on pods resulting in their malformed and shriveled condition  4) Unorganized marketing sector | 3450 ha | FLD, Training, Extension activities |
|  | Paddy | 1) Continuous cultivation of Traditional variety  2) Heavy incidence of pest & disease (yield loss 17-26%)  3)High acidity, Iron toxicity leading to tiny brown spots from leaf tip to base  4)Stunted growth, damaged root, less grain filling | 124 ha | FLD, Training, method demonstrations, field visits, diagnostic visits, Advisory services. |
|  | Tapioca | 1) Lack of suitable high yielding variety  2)Yellowing, leaf crinkling and Deficiency symptoms  2) Imbalanced fertilizer use  3) Low nutrient status of soil and deficiencies of secondary and micronutrients  4)More incidence of mosaic disease | 600 ha | FLD, OFT, Training, method demonstrations, field visits, diagnostic visits, Advisory services. |
|  | Yard long bean | 1) Lack of high yielding varieties  2) More incidence of pest and disease | 50 ha | FLD, Training, Extension activities, demonstration |
|  | Passion fruit | 1) Low prize in the market  2) Middle man exploitation  3) Unaware of preservation techniques | 12ha | Training, Extension activities, demonstration |
|  | Rose apple | 1) Fruit wastage in season  2) Rose apples are highly perishable  3) Rose apples are not widely accepted in the markets and have a less demand which troubles the farmers | 1 ha | Training, Extension activities, demonstration |
|  | Honey | 1) Value addition techniques are not followed  2) The by- products of honey are less popularized | 20 units | Training, Extension activities demonstration |
|  | Mushroom | 1) Market inflow of mushrooms are staggered in the area  2) Inadequate knowledge on the health benefits of mushrooms  3) Value addition measures are not followed | 10 units | Training, Extension activities, demonstration |
|  | Nutritional Garden | 1) Inadequate knowledge on the benefits of nutritional garden in households  2) Dietary deficiencies among rural folk | 12 units | FLD, Training, Extension activities, demonstration |
|  | Composting | 1) Less knowledge on disposal of cardamom stem  2) Natural composting is time consuming | 800 ha | OFT, Training, method demonstrations, field visits, diagnostic visits, Advisory services. |
|  | Ginger | Lack of high yielding variety, unavailability of good planting materials, and inadequate knowledge on soil test based nutrient management in ginger | 200 ha | FLD, Training, extension activities |
|  | Dairy cattle | 1) Anestrous,  2) Repeat breeding,  3) Infertility problem  4) Poor growth performance due to internal and External parasites  5) Incidence of Mastitis in high yielders  6) Milk yield reduction  7) Fodder production | 28190 nos. | OFT, Training, Extension activities |
|  | Goat | Poor growth performance due to internal and External parasites | 7270 nos. | FLD, Training and other extension activities |
|  | Japanese Quail | Poor growth and egg production | 13240 nos. | Training and other extension activities |
|  | Duck | Poor growth and egg production | 10908 nos. | Training and other extension activities |
|  | Poultry | Non availability of quality layer chicks, low growth rate, poor laying performance | 28525 nos. | FLD, Training, Extension activities |
| Cluster B (Devikulam) | Cabbage | 1) Inadequate knowledge on soil test based nutrient management in cabbage  2) Indiscriminate use of chemical inputs  3) Ignorance on banned chemicals in Idukki district  4) Severe incidence of pest & disease | 218 ha | FLD, Training, Extension activities |
|  | Strawberry | 1) Indiscriminate use of chemical inputs  2) Ignorance on banned chemicals in Idukki district  3) Severe incidence of pest & disease  4)Fruits are highly perishable.  5)Unaware of preservation methods | 25 ha | FLD, Training, Extension activities |
|  | Garden Pea | 1)Lack of awareness on suitable high yielding varieties  2) continuous cultivation of traditional varieties  3)shattering losses and less pod filling. | 80 ha | FLD, Training, extension activities |
|  | Dairy cattle | 1) Anestrous  2) Repeat breeding  3) Infertility problem  4) Poor growth performance due to internal and External parasites  5) Incidence of Mastitis in high yielders  6) Milk yield reduction  7) Fodder production | 19525 nos. | OFT, Training, Extension activities |
|  | Goat | Poor growth performance due to internal and External parasites | 35255 nos. | FLD, Training and other extension activities |
|  | Japanese Quail | Poor growth and egg production | 8250 nos. | Training and other extension activities |
|  | Duck | Poor growth and egg production | 8050 nos. | Training and other extension activities |
|  | Poultry | Non availability of quality layer chicks, low growth rate, poor laying performance | 56870 nos. | FLD, Training, Extension activities |
|  |  |  |  |  |
| Cluster C (Kattappana) |  |  |  |  |
|  | Nutmeg | 1) Nutmeg rind wastage  2) Value addition methods are not followed  3) Low price of nutmeg | 22 ha | Training and extension activities, demonstration |
|  | Black Pepper | 1) Yellowing, spike shedding, deficiency symptoms  2)Poor quality planting material  3) Quick wilt incidence  4) High price fluctuation in Season  5) Lack of value addition in black pepper | 900 ha | FLD,Training and extension activities, demonstration |
|  | Banana | 1) Value addition methods are not followed by the farmers  2) Middle man exploitation  3) Pseudo stem and banana flower wastage | 13 ha | Training and extension activities, demonstration |
|  | Jack | 1) Low price of raw jack in the market  2) Fruit wastage in the season | 18 ha | Training and extension activities, demonstration |
|  | Dairy cattle | 1) Anestrous,  2) Repeat breeding,  3) Infertility problem  4) Poor growth performance due to internal and External parasites  5) Incidence of Mastitis in high yielders  6) Milk yield reduction  7) Fodder production | 24768 nos. | OFT, Training, Extension activities |
|  | Goat | Poor growth performance due to internal and External parasites | 5255 nos. | FLD, Training and other extension activities |
|  | Japanese Quail | Poor growth and egg production | 12520 nos. | Training and other extension activities |
|  | Duck | Poor growth and egg production | 9015 nos. | Training and other extension activities |
|  | Poultry | Non availability of quality layer chicks, low growth rate, poor laying performance | 33020 nos. | FLD, Training, Extension activities |

**5. Technology assessment during 2020-21**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Crop/ enterprise** | **Prioritized problem** | **Title of intervention** | **Technology options** | **Source of technology** | | **Name of critical input** | **Qty per trial (q)** | **Cost per trial (Rs.)** | **No. of trials** | **Total cost**  **(Rs.)** | **Parameters to be studied** | **Team members** |
| 5.1 | Banana | Sudden Plant mortality Considerable reduction in yield | Assessment of Fusarium wilt disease management in banana | **TO-1**: Farmers practice-Uprooting and cutting of infected mother plants and allowing side sucker to grow  **TO-2***:* Drench *Pseudomonas fluorescens* liquid formulation @ 4 lit /ha at planting, 2nd, 4th and 6th MAP.  **TO-3**: Soil application of *T.viride* NRCB 1+ *Penicilliumsp* @ 10 g/plant as basal + 2nd, 4th, 6th MAP | -  TNAU, 2013  NRCB 2015 | | -  *P. fluorescens* (Liquid)  *T.viride*  *Penicilliumsp*  Field Board | -  2.5 L  0.1  0.1  5 nos. | -  500.00  1500.00  1500.00  200.00 | 5 | -  2500.00  7500.00  7500.00  1000.00 | Per cent disease incidence  No. of Bunches  No.of Fingers/ bunch  Bunch weight (Kg)  Yield (Q/Ha)  BCR | SMS (Plant Protection),SMS (Agronomy), SMS (Soil Science),  Senior Scientist and Head |
|  |  |  |  |  |  | |  |  | 3700.00 |  | 18500.00 |  |  |
| 5.2 | Yard long bean | Lack of high yielding variety  More incidence of pest and disease | Assessment of yard long bean varieties in Idukki district | TO 1: Farmer’s practice-Lola  TO 2: Arka Mangala  TO 3: Manjari | IIHR  KAU 2018 | | Arka mangala  Manjari  Rhizobium  Pseudomonas  Tichoderma  Lime  IIHR Vegetable special  Field board | 0.001  0.001  0.01  0.01  0.01  0.30  0.02  1 no. | 250.00  250.00  150.00  150.00  150.00  450.00  400.00  200.00 | 5 | 1250.00  1250.00  750.00  750.00  750.00  2250.00  2000.00  1000.00 | Yield (q/ha)  Cooking quality  B:C ratio | SMS (Ag. Extension)  SMS (PP)  SMS (SS)  Sr. Sci. & Head |
|  |  |  |  |  |  | |  |  | **Total** |  | **10,000.00** |  |  |
| 5.3 | Cassava | 1. 1. Lack of high yielding variety   2. Less consumer acceptability due to high cyanogen content   1. 3. High mosaic disease incidence | Assessment of cassava varieties in high range | **TO- 1:** Local  **TO- 2:** Vellayani Hraswa  **TO- 3:** KAU Uthama  **TO-4:** Sree Pavithra | KAU, 2018  KAU, 2018  CTCRI, 2018 | | Cassava sett  Local  Cassava sett  Vellayani Hraswa  Cassava sett  KAU Uthama  Cassava sett  Sree Pavithra  Lime  Soil test based nutrients  Soil testing  Field board | 150 no  150 no.  150 no.  150 no.  0.05  0.20  2 no.  1 | 0.00  1500.00  1500.00  1500.00  75.00  1000.00  500.00  200.00 | 5 | 0.00  7500.00  7500.00  7500.00  375.00  3000.00  2500.00  1000.00 | Yield (q/ha)   1. Cooking quality 2. HCN content 3. Starch (%) 4. Plant height (cm) 5. Plant girth (cm) 6. No. of fallen leaf 7. No. of unfallen leaves | SMS (Agro.), SMS (Plant Protection), SMS (Soil Science),  Senior Scientist and Head |
|  |  |  |  |  |  | |  |  | **Total** |  | **30375 .00** |  |  |
| 5.4 | Composting | Lack of knowledge on disposal of cardamom stem  Natural composting is time consuming | Assessment of different decomposing cultures in composting of agricultural wastes | **FP:** Biomass and cow dung slurry  **TO- 1:**  Arka microbial decomposer  **TO- 2:**  Organic Waste decomposer  **TO-3:**  Composting inoculums | -  IIHR, Bengaluru, 2018  NCOF,UP, 2018  KAU, 2019 | | -  Arka Microbial decomposer  Waste decomposer  Composting inoculum  Field Board | -  0.05  5 bottles  0.05  5 | -  1250.00  500.00  1000.00  200.00 | 5 | -  6250.00  2500.00  5000.00  1000.00 | Decomposition days  Volume reduction (%)  C:N ratio  pH Value  OC (%), N (%), P (%), K (%) | SMS (Soil Science), SMS (Plant Protection), SMS (Agro)  Senior Scientist and Head |
|  |  |  |  |  |  | |  |  | **Total** |  | **14,750.00** |  |  |
| 5.5 | Dairy Cattle | Severe ecto-parasitic infestation in dairy cattle | Assessment of EVM preparations for control of ecto-parasites in dairy cattle | TO-1: Chemical ecto-parasiticide  TO-2:Herbal preparation of crushed  Garlic and neem oil  TO-3: Preparation of Aloe vera (Sothu Katrala- 200g  *Ocimum sanctum* (Thulasi)- 50g  *Acorus calamus* (Sweet flag) -25g  *Piper nigrum* (Pepper)-10 berrries  *Curcuma longa* (Turmeric) – 10g | KAU 2010  KVASU 2013  TANUVAS 2015 | Flumethrin 1 % pour on solution  Garlic  Neem oil  *Aloe vera* (Sothu Katrala- 200g  *Ocimum sanctum* (Thulasi)- 50g  *Acorus calamus* (Sweet flag -25g  *Piper nigrum* (Pepper)-10 berrries  *Curcuma longa* (Turmeric) – 10g | | 300ml  0.01  1L  LS | 600.00  250.00  450.00  150.00 | 10 | **6000.00**  **2500.00**  **4500.00**  **1500.00** | Parasites and its density  Reduction in its infestation (%)  Interval of reappearance of parasite infestation | SMS (Animal husbandry), SMS (Agrl. Extn)  Senior Scientist and Head |
|  |  |  |  |  |  |  | |  | **Total** |  | **14500.00** |  |  |
|  |  |  |  |  |  |  | |  | **Grand Total** | **30** | **88125.00** |  |  |

**6. Frontline demonstrationsduring 2020-21**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Category** | **Crop/ enterprise** | **Prioritized problem** | **Technology to be demonstrated** | **Name of variety** | **Name of hybrid** | **Source of technology** | **Name of critical input** | **Qty per demo.**  **(q)** | **Cost per demo (Rs.)** | **No. of demos** | **Total cost for the**  **demo (Rs.)** | **Parameters to be studied** | **Team member** | |
| 6.1 | Cereals | Paddy | Continuous cultivation of Traditional variety  Heavy incidence of pest & disease (yield loss 17-26%) | Demonstration of paddy variety ‘Manuratna’ in high range | Manuratna | - | KAU-2017 | Seeds-Manuratna  Lime  Pseudomonas  Azospirillum  Vermicompost  Sampoorna (Paddy nutrient mixture)  Fine silica  Field board  Soil testing | 0.17  1.20  0.01  0.01  0.05  0.01  0.20  1  1 | 1080.00  3000.00  120.00  120.00  100.00  200.00  400.00  200.00  250.00 | 5 | 5400.00  15000.00  600.00  600.00  500.00  1000.00  2000.00  1000.00  1250.00 | No. of plants/m2  No. of productive tillers/hill  No. of panicle/plant  Test weight  Yield  B:C Ratio | SMS (Agro), SMS (Plant Protection), SMS (Soil science),  Senior Scientist & Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **27,350.00** |  |  | |
| 6.2 | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 6.3 | Pulses | Garden pea  (*Pisumsativum*) | Lack of awareness on suitable high yielding varieties, continuous cultivation of traditional varieties, shattering losses and less pod filling. | Demonstration of new whole pod edible dual purpose pea variety of *ArkaApoorva* | Arkaapoorva | - | IIHR (2015) | Seed  Lime  Bio products  Soil test  Field board | 0.09  0.10  0.20  1 no. | 900  200  3000  250  200 | 05 | 4500.00  1000.00  15000.00  1250.00  1000.00 | Total Yield  Duration to flowering and pod formation  Pod weight  BC ratio | SMS (Agrl. Extn), SMS (Plant Protection), SMS (Agro), Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **22,750.00** |  |  | |
| 6.4 | Commercial crops (Spices) |  |  |  |  |  |  |  |  |  |  |  |  |  | |
|  | Black Pepper | Yellowing and spike shedding | Demonstration of IISR- PGPR consortium for growth promotion in Black Pepper | Karimunda | - | IISR-2018 | IISR- PGPR consortium  Black pepper special  Lime  Soil testing  Field board | 10 capsule  0.1  0.5  2 nos.  5 nos. | 3000.00  2000.00  1000.00  500.00  200.00 | 5 | 15000.00  10000.00  5000.00  2500.00  1000.00 | Yield  No of spikes/vine  No of berries/ spike  Reduction in deficiency symptoms(%) | SMS (Soil Science), SMS (Plant Protection), SMS (Agro)  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **33,500.00** |  |  | |
|  |  | Ginger | Lack of high yielding varieties, unavailability of good planting materials, and inadequate knowledge on soil test based nutrient management in ginger | GAP in *Ashwathy* variety of Ginger | Ashwathy | - | KAU (2013) | Rhizome  Bio products  Bio fertilizer  Soil test  Field board | 0.60  0.05  0.05  1 No | 3600  750  750  250  200 | 5 | 18000.00  3750.00  3750.00  1250.00  1000.00 | Per cent reduction in pests and diseases  Yield  Rhizome weight  BC ratio | SMS (Agrl. Extn)  SMS (Plant Protection), SMS(Agro), Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **27,750.00** |  |  | |
| 6.5 | Horticultural crops | Cabbage | 1) Inadequate knowledge on soil test based nutrient management in cabbage  2)  Indiscriminate use of chemical inputs  3)Physiological disorders due to deficiency of nutrients | Integrated nutrient management in cabbage | - | Quisor | IIHR  2018 | Azospirillum  Phosphorus solubilizing bacteria  IIHR-Arka Vegetable Special  Pseudomonas  Lime  Field Board | 0.02  0.02  0.03  0.04 L  2  1 no. | 200.00  200.00  600.00  480.00  3000.00  200.00 | 5 | 1000.00  1000.00  3000.00  2400.00  15000.00  1000.00 | Average wt of head,  Average yield (q/ha),  BCR | SMS (Agronomy)  SMS (Plant Protection)  SMS(Soil Sc.)  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **TOTAL** |  | **23400.00** |  |  | |
|  |  | Small Cardamom | Indiscriminate use PP chemical in cardamom plantation | Bio-intensive intervention of pest ,drought management and deterring crop raiding wild elephants in small cardamom | Thriuthali | - | ICRI,  KAU-CRS  &  TNAU | *Lecanicilliumpsalliotae*  *Bacillus thuringiensis*  *Beauveriabassiana*  EPN  Trichoderma  Pseudomonas  PPFMs  KrishiRakshak  Panchkavya based herbal Extract  Field board | 2.5L  3L  5L  0.02  10L  10L  5L  3nos.  10 L  2nos. | 750.00  1500.00  1000.00  1300.00  2000.00  2000.00  1500.00  6500.00  2500.00  - | 2 | 1500.00  3000.00  2000.00  2600.00  4000.00  4000.00  3000.00  6500.00  5000.00  400.00 | % reduction of pest and disease  No. of wild elephants raids  Yield (q/ha)  B:C Ratio | SMS  (Plant Protection)  SMS (Agronomy)  SMS  (Soil Science),  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **32,000.00** |  |  | |
|  |  | Strawberry | Indiscriminate use of chemical inputs | AESA based Integrated Pest Management in Strawberry | Sweet charely | - | NIPHM, 2015 | ladybird beetle  Green lace wings  Beauveria  Metarhizium  Pesudomonas  Trichoderma  Blue sticky traps  Yellow sticky traps  Field Board | 1000  1000  2L  2L  5L  5L  5nos.  5nos.  5nos. | 1000.00  1000.00  400.00  400.00  1000.00  1000.00  150.00  150.00  200.00 | 5 | 5000.00  5000.00  2000.00  2000.00  5000.00  5000.00  750.00  750.00  1000.00 | Incidence of pest / disease  % of beneficial insects increased  Yield (q/ha)  BCR | SMS  (Plant Protection)  SMS (Agronomy)  SMS  (Soil Science),  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **26,500.00** |  |  | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| 6.6 | Livestock | Poultry | Incidence of Ranikhet disease  High mortality | Popularisation of Ethno Veterinary Medicine (EVM) for prevention of ranikhet disease | - | Cross bred Jersey & HF | **VUTRC-TANUVAS-2014** | Keellanelli,Garlic, Onion,Pepper,Cumin seed and Turmeric | 1 unit | 1000.00 | 10 | 10000.00 | Disease incidence  Mortality (%)  BCR | | SMS  (Animal husbandry),  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **10000.00** |  | |  | |
|  | Livestock | Dairy cattle | Anoestrum and Repeat breeding | Demonstration on estrus synchronization in cattle by using progesterone vaginal sponges | Cross bred Jersey & HF | Cross bred Jersey & HF | TANUVAS-2015 | Progesterone Vaginal sponge  Strepto penicillin and Liquid paraffin  Vaginal speculum | 1  500gm  1 | 700.00  1000.00  2000.00 | 5 | 3500.00  5000.00  2000.00 | Days of showing heat  Conception rate  Benefit Cost Ratio | | SMS (Animal Husbandry)  SMS (Agrl. Extension)  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **10,500.00** |  | |  | |
| 6.7 |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | |
|  | Others (Tuber) | Tapioca | Yellowing, leaf crinkling and deficiency symptoms  Imbalanced fertilizer use  Low nutrient status of soil and deficiencies of secondary and micronutrients | Demonstration of Customized fertilizer-1 in Tapioca | SreePavithra | - | CTCRI-2017 | Customized fertilizer-1  Tapioca stem  Soil testing  Field board | 0.1  100 nos.  2 nos.  5 nos. | 3000.00  2000.00  500.00  200.00 | 5 | 15000.00  10000.00  2500.00  1000.00 | Yield  Wt. of tubers/plant  Reduction in deficiency symptoms (%) | | SMS (Soil Science), SMS (Plant Protection), SMS (Agro)  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **28,500.00** |  | |  | |
|  | Nutritional garden | Homestead nutritional garden | Malnutrition  Nutrient deficiency | Demonstration of nutri-farm for nutritional security among rural family | Hybrid seeds | - | UAS Bangalore | Vegetable seed kit  Seedlings  Bio-inputs  Bio- compost  Field Board | 1 no  50  3 litres  10kg  1 | 300  500  600  200  200 | 25  25 | 7500.00  12500.00  15000.00  5000.00  5000.00 | Yield (q)  Total consumption of vegetables/day (g/day)  Amount saved over the period (Rs)  Dietary survey score (No)  BCR (Ratio) | | PA Home Science  SMS Plant Protection  Senior Scientist and Head | |
|  |  |  |  |  |  |  |  |  |  | **Total** |  | **45000.00** |  | |  | |
|  |  |  |  |  |  |  |  |  |  | **Grand Total** | **77** | **287250.00** |  | |  | |

**7. Trainingfor farmers/ farm women during 2020-21**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the crop/ enterprise** | **Crop / Enterprise** | **Related field intervention (OFT/FLD)** | **Training title** | **No. of courses** | **Expected No. of participants** | **Names of the team members involved** |
| 7.1 | Crop production | Paddy | FLD | Package of practices in paddy | 1 | 15 | SMS (Agro.), SS & Head |
|  |  | Paddy | FLD | Weed management in paddy | 1 | 15 | SMS (Agro), SS & Head |
|  |  | Cabbage | FLD | ICM in cabbage | 1 | 15 | SMS (Agro), SMS PP, SMS SS, SS & H |
|  |  | Cassava | OFT | GAP in cassava | 1 | 15 | SMS (Agro), SS & H |
| 7.2 | Horticulture production | Yard long bean | OFT | IPM in vegetable cowpea | 1 | 30 | SMS (Agrl. Ext.), SMS (PP), SS & H |
|  |  | Yard long bean | OFT | Soil fertility management in vegetable cowpea | 1 | 20 | SMS (Agrl. Ext) SMS (Agro), SMS (SS), SS& Head |
|  |  | Ginger | FLD | Integrated Crop Management in ginger | 1 | 30 | SMS (Agrl. Extension), SMS (Agro), SMS (SS), SS & Head |
|  |  | Ginger | FLD | Integrated Pest Management in ginger | 1 | 20 | SMS (Agrl. Extension), SMS (Agro), SMS (SS), SS & Head |
|  |  | Ginger | FLD | Integrated Disease Management in ginger | 1 | 25 | SMS (Agrl. Ext), SMS (PP), SS & Head |
|  |  | Garden Pea | FLD | Integrated Crop Management in garden pea | 1 | 25 | SMS (Agrl. Ext), SMS (Agro), SMS (SS), SS & Head |
|  |  | Garden Pea | FLD | Integrated Pest and Disease Management in garden pea | 1 | 30 | SMS (Agrl. Ext), SMS (PP), SS & Head |
| 7.3 | Livestock production | Poultry | FLD | Poultry Management | 4 | 160 | SMS (AH), SMS AgriExtn, SS & Head |
|  |  | Dairy cattle | OFT | Scientific dairy cattle disease management | 6 | 180 | SMS (AH), SMS AgriExtn, SS & Head |
|  |  | Dairy cattle | FLD | Scientific dairy cattle reproductive management | 4 | 190 | SMS (AH), SMS AgriExt,SS & Head |
|  |  | Goats | FLD | Scientific Goat Management | 6 | 180 | SMS (AH), SMS AgriExtn,  SS & Head |
|  |  | Dairy cattle | FLD | Scientific Animal Nutrition management | 5 | 200 | SMS (AH), SMS AgriExtn, SS & Head |
| 7.4 | Home Science | Homestead nutritional garden | FLD | Nutritional aspects of vegetable, scientific nutritional garden | 6 | 90 | Prog. Asst. HSc, SMS PP, SMS SS, SS& Head |
|  |  | Vegetables | FLD | Popularization of GLV and vegetables | 4 | 42 | Prog. Asst. HSc.  SMS PP., SMS SS, SS& Head |
|  |  | Mushroom | - | Mushroom diversified products | 5 | 60 | Prog. Asst. HSc.  SS & Head |
| 7.5 | Plant protection | Paddy | FLD | IPDM in paddy | 1 | 15 | SMS (Plant Protection), SMS (Agro.) |
|  |  | Green Pea | FLD | IPDM in green pea | 1 | 15 | SMS (Plant Protection), SMS (Agro.) |
|  |  | Cassava | OFT | IPDM in cassava | 1 | 15 | SMS (Plant Protection), SMS (Agro.) |
|  |  | Strawberry | FLD | AESA based integrated pest management in strawberry | 1 | 20 | SMS (PP), SMS (SS), SS & Head |
|  |  | Banana | OFT | IPDM in Banana | 1 | 20 | SMS (PP), SMS (SS), SS & Head |
|  |  | Small cardamom | FLD | Bio-intensive pest management in small cardamom | 1 | 20 | SMS (PP), SMS (SS), SS & Head |
| 7.6 | Production of inputs at site |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.7 | Soil health and fertility | Composting | OFT | Composting techniques | 1 | 20 | SMS (SS), SMS (Agro), SMS (PP), SS & Head |
|  |  | Black Pepper | FLD | Soil health management in Black pepper | 1 | 20 | SMS (SS), SMS (Agro), SMS (PP), SS & Head |
|  |  | Tapioca | FLD | INM in tapioca | 1 | 20 | SMS (SS), SMS (Agro), SMS (PP), SS & Head |
|  |  | Black Pepper | OFT | INM in Pepper | 1 | 20 | SMS (SS), SMS (Agro), SMS (PP), SS & Head |
|  |  | Banana | FLD | INM in Banana | 1 | 25 | SMS (SS), SMS (Agro), SMS (PP), SMS (Agrl. Extn) SS & Head |
|  |  | Cabbage | FLD | INM in Cabbage | 1 | 15 | SMS (Soil Science), SMS (Agro.) |
|  |  | Cassava | OFT | INM in cassava | 1 | 15 | SMS (Soil Science), SMS (Agro.) |
| 7.8 | PHT and value addition |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.9 | Capacity building/  group dynamics |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.10 | Farm mechanization |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.11 | Fisheries production technologies |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.12 | Mushroom production |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.13 | Agro forestry |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.14 | Bee keeping |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.15 | Sericulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7.16 | Others, pl. specify |  |  |  |  |  |  |
|  |  |  |  | **Total** | **67** | **1642** |  |

**8. Training for rural youth during 2020-21**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the crop/ enterprise** | **Crop / Enterprise** | **Related field intervention (EDP/Skill development etc)** | **Training title** | **No. of courses** | **Expected No. of participants** | **Names of the team members involved** |
| 8.1 | Crop production | Potato | General | GAP in potato | 1 | 20 | SMS (Agro), SMS (PP), SMS (SS), SS & Head |
|  |  | Spices | General | ICM in small cardamom and black pepper | 1 | 20 | SMS (Agro), SMS (PP), SMS (SS), SS & Head |
|  |  |  |  |  |  |  |  |
| 8.2 | Horticulture production |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.3 | Livestock production | Dairy cattle | General | Scientific Livestock production and Management | 2 | 40 | SMS (AH), SMS (Agrl. Extn), SS& Head |
|  |  | Dairy cattle | General | Scientific Livestock Disease Management | 2 | 50 | SMS (AH), SMS (Agrl. Extn), SS& Head |
|  |  | Goat | General | Scientific Goat Management | 2 | 45 | SMS (AH), SMS (Agrl. Extn), SS& Head |
|  |  | Poultry | General | Scientific poultryManagement | 2 | 60 | SMS (AH), SMS (Agrl. Extn), SS& Head |
| 8.4 | Home Science | Fruits | General | Value Added products from Fruits and Vegetables | 3 | 48 | Prog. Asst. (Home Science), SS& Head |
| 8.5 | Plant protection |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.6 | Production of inputs at site | Bio-inputs | General | Farm Based Low Cost Mass Production of Bio-Inputs | 1 | 20 | SMS (PP), SS & Head |
|  |  | Organic farming | General | Production of various bio-input for crop growth | 1 | 20 | SMS (Agro), SMS (Soil Science), SMS (Plant Protection), SS & Head |
|  |  | Composting | General | Vermicomposting techniques | 1 | 15 | SMS (SS), SMS (PP), SMS (Agro), SS & Head |
|  |  |  |  |  |  |  |  |
| 8.7 | Soil health and fertility management | Black pepper | General | Integrated Nutrient Management | 1 | 25 | SMS (SS), SMS (PP), SMS (Agro), SS & Head |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.8 | PHT and value addition |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.9 | Capacity building/ group dynamics | SHG | General | Formation of SHG and farmers groups | 1 | 25 | SMS (Agrl. Extension), SS & Head |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.10 | Farm mechanization |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.11 | Fisheries production technologies |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.12 | Mushroom production | Mushrooms | General | Scientific production of different mushrooms for year round production | 3 | 60 | SMS (PP), PA (RC), SS & Head |
|  |  | Mushrooms | General | Diversified mushroom products | 1 | 20 | SMS (PP),  Prog. Asst (HSc.),  SS& Head |
|  |  |  |  |  |  |  |  |
| 8.13 | Agro forestry |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.14 | Bee keeping |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.15 | Sericulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8.16 | Others, pl. specify |  |  |  |  |  |  |
|  | Others (Rural Craft) | Art & Craft | Skill devt. | Bouquet making | 3 | 45 | PA (RC), SS & Head |
|  |  | Art & Craft | Skill devt. | Quilling Art | 2 | 30 | PA (RC), SS & Head |
|  |  | Art & Craft | Skill devt. | Value added products  From agricultural wastes | 4 | 60 | PA(RC), SS & Head |
|  |  |  |  | **Total** | **31** | **603** |  |

**9. Training for extension personnel during 2020-21**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the crop/ enterprise** | **Training title** | **No. of courses** | **Expected No. of participants** | **Names of the team members involved** |
| 9.1 | Crop production |  |  |  |  |
|  |  |  |  |  |  |
| 9.2 | Home Science | Preservation Techniques and nutritional aspects | 1 | 30 | Prog. Asst. (Home Science), SS & H |
|  |  |  |  |  |  |
| 9.3 | Capacity building and group dynamics | Formation of SHG and Farmers groups | 1 | 35 | SMS (Agrl. Extension), SS & Head |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 9.4 | Horticulture | Importance of high density planting in banana | 1 | 20 | SMS (Agrl. Extension), SMS (SS), SMS (Agro), SS& Head |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 9.5 | Livestock production and management | Scientific Livestock Disease Management | 1 | 25 | SMS (AH), SMS (Agrl. Extn) |
|  |  |  |  |  |  |
| 9.6 | Plant protection | IPDM in small cardamom | 1 | 30 | SMS (PP), SS & Head |
| 9.7 | Farm mechanization |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 9.8 | PHT and value addition | Diversified products from locally available fruits | 1 | 16 | Prog. Asst. (HSc.) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 9.9 | Production of inputs at site | Low cost VAM production | 1 | 15 | SMS (Agro), SMS (PP), SS & Head |
|  |  |  |  |  |  |
| 9.10 | Sericulture |  |  |  |  |
|  |  |  |  |  |  |
| 9.11 | Fisheries |  |  |  |  |
|  |  |  |  |  |  |
| 9.12 | Other (Vegetables) | INM in vegetables | 1 | 25 | SMS (SS), SMS (PP), SMS (Agro),SS& Head |
|  | Other (Marketing) | Establishing market linkages with departments, wholesalers and farmers | 1 | 30 | SMS (Agrl. Extension), SS & Head |
|  |  | **Total** | **9** | **226** |  |

## 10.Vocational trainings during 2020-21

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the crop/ enterprise** | **Training title** | **No. of programmes** | **Duration (days)** | **Expected**  **No. of participants** | **Sponsoring agency, if any** | **Names of the team members involved** |
| 10.1 | Crop production |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.2 | Home Science | Value Addition, preservation Techniques and marketing | 1 | 5 | 25 | Coffee Board | Prog. Asst  (Home Science) |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.3 | Capacity building and group Dynamics |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.4 | Horticulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.5 | Livestock production and management | Poultry production management | 8 | 2 | 10 | ICAR | SMS (AH), SMS (Agrl.Extn.) |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.6 | Plant protection |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.7 | Farm mechanization |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.8 | PHT and value addition | Food processing and marketing linkage | 1 | 4 | 20 | NYK | Prog. Asst. (HSc.) |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.9 | Production of inputs at site | Production of various bio-input for crop growth and enhancement | 1 | 10 | 15 | **-** | SMS (Agro), SMS (SS), SMS (PP), SS & Head |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.10 | Sericulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.11 | Fisheries |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10.12 | Others, pl. specify |  |  |  |  |  |  |
|  | Others (Rural Craft) | Value added products from agricultural waste | 3 | 45 | 60 | ICAR | PA(RC) |
|  |  | Fabric Designing | 2 | 40 | 30 | ICAR | PA(RC) |
|  |  | Quilling Art | 2 | 14 | 40 | ICAR | PA(RC) |
|  |  | **Total** | **18** | **120** | **200** |  |  |

## 11. Sponsored trainings during 2020-21

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the crop/ enterprise** | **Training title** | **No. of programmes** | **Duration (days)** | **Expected number of participants** | **Sponsoring agency** | **Names of the team members involved** |
| 11.1 | Crop production |  |  |  |  |  |  |
| 11.2 | Home Science | Diversified products from strawberry | 1 | 4 | 20 | DIC | Prog. Asst. (HSc.) |
| 11.3 | Capacity building and group Dynamics |  |  |  |  |  |  |
| 11.4 |  |  |  |  |  |  |  |
| 11.5 | Livestock production and management | Livestock Production and Management | 1 | 2 | 10 | Dept. of Animal Husbandry | SMS (AH), SMS (Agrl. Extn) |
|  |  | Poultry management | 30 | 1 | 20 | Dept. of Animal Husbandry | SMS (AH), SMS (Agrl. Extn) |
| 11.6 | Plant protection | Good Agricultural Practice-Small cardamom | 5 | 2 | 200 | Spices Board | SMS (PP), SMS (Agronomy), SS & H |
|  |  | Good Agricultural Practice-  Potato | 1 | 1 | 75 | Department of Agriculture | SMS (PP), SMS (Agronomy), SS & H |
|  |  | Good Agricultural Practice-Sugarcane | 1 | 1 | 50 | Department of Agriculture | SMS (PP), SMS (Agronomy), SS & H |
|  |  | Good Agricultural Practice-Garlic | 1 | 1 | 50 | Department of Agriculture | SMS (PP), SMS (Agronomy), SS & H |
|  |  | Good Agricultural Practice-  Strawberry | 1 | 1 | 35 | Department of Agriculture | SMS (PP), SMS (Agronomy), SS & H |
| 11.7 | Farm mechanization |  |  |  |  |  |  |
| 11.8 | PHT and value addition | Diversified product preparation and its marketing | 2 | 3 | 36 | DIC and Agricultural department | Prog. Asst (Home Science) |
| 11.9 | Production of inputs at site | Farm Based low cost mass production technology | 5 | 3 | 300 | Department of Agriculture | SMS (PP), SS & H |
|  |  | Low cost VAM production | 1 | 1 | 30 | State Dept. of Agriculture | SMS (Agro), SMS (SS), SMS (PP), SS & Head |
|  |  | Vermicompost | 1 | 1 | 35 | State Dept. of Agriculture | SMS (SS), SMS (PP), SMS (Agro), SS & Head |
| 11.10 | Sericulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 11.11 | Fisheries |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 11.12 | Others, pl. specify |  |  |  |  |  |  |
|  |  | **Total** | **50** | **21** | **861** |  |  |

## 12. Extension activities during 2020-21

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Extension activity** | **No. of activities** | **Targeted number of participants** | **Names of the team members involved** |
| 12.1 | Advisory services | 1000 | 1750 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), PA (RC), SS & H |
| 12.2 | Diagnostic visits | 118 | 246 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.3 | Field days | 16 | 345 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.4 | Group discussions | 20 | 470 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.5 | Kisangosthies | 0 | 0 | - |
| 12.6 | Film shows | 70 | 1150 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.7 | Self -Help Groups (SHGs) meetings | 49 | 755 | PA (RC), SMS (PP), SS & H |
| 12.8 | KisanMelas | 1 | 100 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.9 | Exhibitions | 5 | 1380 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), PA (RC), SS & H |
| 12.10 | Scientists' visit to farmers fields | 109 | 468 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.11 | Plant/soil health/animal health camps | 13 | 950 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.12 | Farm science club meetings | 2 | 65 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.13 | Ex-trainees sammelans (Meetings) | 5 | 150 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.14 | Farmers' seminars/workshops | 6 | 610 | SMS (Agrl. Extn), SMS(PP), SMS(SS), SMS(Agro), SMS (AH), SS and Head |
| 12.15 | Method demonstrations | 47 | 620 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.16 | Celebration of important days | 9 | 730 | SMS(SS), SMS (PP), SMS (Agro), SMS (AH), SMS (Agrl. Extn.), SS and Head |
| 12.17 | Exposure visits | 4 | 85 | SMS (PP), SMS (SS), SMS (Agron), SMS (Agrl. Extn), SMS (AH), SS & H |
| 12.18 | Technology week celebration | 1 | 400 | SMS (Agrl. Extn), SMS (PP), SMS(SS), SMS (Agro), SMS (AH), SS& Head |
| 12.19 | Farmers Field School (FFS) | 1 | 25 | SMS (PP), SMS (Agrl.,ExtnSMS(SS), SMS (Agro), SMS (AH), SS and Head |
| 12.20 | Farm innovators meet | 1 | 150 | SMS (Agrl. Extn), SMS (PP), SMS(SS), SMS (Agro), SMS (AH), SS& Head |
| 12.21 | Awareness programmes | 14 | 310 | SMS (Agrl. Extn), SMS (PP), SMS(SS), SMS (Agro), SMS (AH), SS& Head |
| 12.22 | Radio Talk | 5 | Mass | SMS (Agrl. Extn), SMS (PP), SMS(SS), SMS (Agro), SMS (AH) |
| 12.23 | Newspaper Coverage | 40 | Mass | SMS (Agrl. Extn), SMS (PP), SMS (SS), SMS (Agro), SS and Head |
| 12.24 | Field Visit | 150 | 600 | SMS (Agrl. Extn), SMS (PP), SMS (SS), SMS (Agro), SS and Head |
|  | **Total** | **1686** | **11359** |  |

## 13. Activities proposed as knowledge and resource center during 2020-21

## 13.1 Technological knowledge

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Category** | **Details of technologies** | **Area (ha)** | **Number** | **Names of the team members involved** |
| 13.1.1 | Technology park/ crop cafeteria | Farmers developed Innovation varietal Garden-Small Cardamom  Institute developed Innovation varietal Garden-Small Cardamom  Small cardamom production unit  Bee Park  ICAR-NBAIR - Field trials for Small cardamom thrips  ICAR-IISR - Field trials for Small Cardamom thrips | 25 cents  25 cents  1 ha  2.5 ha  25 cents  25 cents | 1  1  1  1  1  1 | SMS (PP), SMS (SS), SMS (Agro), SS & H |
| 13.1.2 | Demonstration units | Farm Based Low Cost Mass Production Techniques of Bio-Pesticides Unit. | 2 cents | 10 | SMS (PP), SMS (Agro), SS & H |
|  |  | KarshakaSevaKendram | 1 cent | 7 | SMS (PP), SMS (Agro), SS & H |
|  |  | Bio-Hub | 1cent | 35 | SMS (PP), SMS (Agro), SS & H |
|  |  | ZBNF unit | 5 cents | 10 | SMS (PP), SMS (Agro), SS & H |
|  |  | Low cost VAM production unit | 1cent | 1 | SMS (Agronomy), SMS (PP), SS & H |
|  |  | Azolla production unit | 20 cent | 1 unit | SMS (AH), SMS (Agrl. Extn) |
|  |  | Poultry production unit | 25 cents | 1 unit | SMS (AH), SMS (Agrl. Extn) |
|  |  | Duck Production unit | 10 cents | 1 unit | SMS (AH), SMS (Agrl. Extn) |
|  |  | Mixed fodder production unit | 100 cents | 1 unit | SMS (AH), SMS (Agrl. Extn) |
|  |  | Medicinal plants | 10.81 sq. m | 1 unit | SMS (SS), SMS (Agro), SMS (PP), SS & H |
|  |  | Vermicompost Unit | 1 cent | 1 | SMS (SS), SMS (Agro), SMS (PP), SS & H |
|  |  | Vermiwash Unit | 1 cent | 1 | SMS (SS), SMS (Agro), SMS (PP), SS & H |
|  | Demonstration units | Mushroom Spawn Production Unit | 2cent | 1 unit | SMS (PP), PA (RC), SS & Head |
|  |  | Small cardamom nursery | 1 cent | 1 | SMS (Agro), SMS (PP), SS & Head |
|  |  | Ornamental Plants Nursery | 2cent | 1uit | PA (RC), SS & H |
|  |  | Mushroom Cultivation unit | 2 cent | 1unit | SMS (PP), PA (RC), SS & Head |
|  |  | Pepper Seedlings nursery | 3 cent | 1unit | PA (RC), SS & H |
|  |  | Protected Vegetable Cultivation unit | 3cent | 1unit | PA (RC), SS & H |
| 13.1.3 | Lab analytical services | Spore Counting Unit | 1 | 7 | SMS (PP), SMS (Agro), SS & H |
| 13.1.4 | Technology week | Technology Meet 2020 | 1 | 400 | All Staff |
| 13.1.5 | Others, Pl. specify |  |  |  |  |

**13.2 Technological products**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Category** | **Name of the production**  **partner agency, if any** | **Name of the product** | **Quantity planned to be produced during 2020-21 (q)** | **Number planned to be produced during 2020-21** | **Names of the team members involved** |
| 13.2.1 | Seeds |  |  |  |  |  |
| 13.2.2 | Planting material | KAU | Black pepper rooted cuttings | - | 10,000 | PA (RC), SS & H |
|  |  | ICAR KVK & State Dept. of Agriculture | Ornamental Plants | - | 2000 | PA (RC), SS & H |
| 13.2. | Bio-products | ICAR-NBAIR | Pseudomonas Liquid | 2000 L |  | SMSPP,SMS Ag, Supporting Staff |
|  |  | ICAR-NBAIR | Pseudomonas Test Tube |  | 100 nos. | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | Trichoderma Liquid | 2000 L |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | Trichoderma Test Tube |  | 100 nos. | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | Beauveria Liquid | 1000 L |  |  |
|  |  | ICAR-NBAIR | Beauveria Test Tube |  | 50 nos. | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | Metarhizium Liquid | 1000 L |  |  |
|  |  | ICAR-NBAIR | Metarhizium Test Tube |  | 50 nos. | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | LecanicilliumTest Tube |  | 50 nos. | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NCIPM | Pheromone Trap cue lure |  | 1500nos. | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | Hanseniaspora | 500L |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | *Bacillus subtilis* | 1000L |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-IIHR | IIHR-Neem Soap | 200kg |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-NBAIR | EPN-Powder Form | 500kg |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-IIHR | AMC | 5000kg |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | TNAU | PPFMs | 3000L |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | EM Technology Centre | EM | 1500L |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | NIPHM | VAM | 3000kg |  | SMS (PP), SMSAg.& Supporting Staff |
|  |  | ICAR-DMR | Spawn | - | 3000 | SMS (PP), PA (RC), SS & H |
| 13.2.4 | Livestock strains | ICAR-KVK &Dept of Animal Husbandry | Poultry Hybrid chicks  Ducklings | - | 1000 nos.  200 nos. | SMS (Animal Husbandry)  SMS (Agrl. Extension)  SS& H |
|  |  |  |  |  |  |  |
| 13.2.5 | Fish fingerlings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 13.2.6 | Vermiculture | - | Worms, Vermiwash | 50 | - | SMS (SS), SMS (PP), Supporting Staff, SS & H |
|  | Micronutrients | IISR | IISR- Cardamom special | 5 | - | SMS (SS), SMS (PP), SMS (Agro), Supporting Staff, SS & H |
|  |  | IISR | IISR- Pepper special | 5 | - | SMS (SS), SMS (PP), SMS (Agro), Supporting Staff, SS & H |
|  |  | IIHR | IIHR- Vegetable special | 5 | - | SMS (SS), SMS (PP), SMS (Agro), Supporting Staff, SS & H |
|  |  | IIHR | IIHR- Banana special | 5 | - | SMS (SS), SMS (PP), SMS (Agro), Supporting Staff, SS & H |

**13.3 Technological information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Category** | **Technological capsules/lectures/number** | **Names of the team members involved** |
| 13.3.1 | Technology backstopping to line departments |  |  |
|  | 1. Agriculture | Bio-intensive Pest and Disease Management in Potato | SMS (PP), SMS (SS), SMS (Agronomy), SS & H |
|  | 1. Horticulture | Safe to Eat concepts in vegetable production | SMS (Hort), SMS (PP), SMS (SS), SMS (Agronomy), SS&H |
|  | 1. Animal Husbandry | Clean Milk Production | SMS (AH), SMS (Ag. Extn) |
|  | 1. Fisheries |  |  |
|  | 1. Agricultural Engineering |  |  |
|  | 1. Sericulture |  |  |
|  | 1. Others, pl. specify |  |  |
| 13.3.2 | Literature/publication | Low cost VAM Production-500  GAP in Potato-500  Package of Practices of Paddy-500  Package of Practices of Tuber crop cultivation-500  INM in Black pepper-500  INM in Banana-500  INM in Vegetables-500  Hygienic Milk Production-1000  Stall Fed Goat Rearing-1000  Quail Rearing-1000  Mixed Fodder Production-1000 | SMS (SS), SMS (PP), SMS (Agro), SMS (AH), Supporting Staff, SS & H |
| 13.3.3 | Electronic media |  |  |
| 13.3.4 | Kisan mobile advisory services | 100 |  |
| 13.3.5 | Information on centre/state sector schemes and service providers in the district (Data may be collected from different agencies). | 15 nos. |  |

## 14. Additional activities planned during 2020-21

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Name of the agency / scheme** | **Name of activity** | **Technical programme with quantification** | **Financial outlay (Rs.)** | **Names of the team members involved** |
| 1 | VFPCK | Low cost vermicompost unit | Promotion of organic farming with low cost vermicompost unit -1800 units | 9500000.00 | SMS (PP), SMS (SS), SMS (Agron) & SS&H |
| 2 | ATMA-IDUKKI | Aeroponic potato seed production unit | Quality and Disease free potato seeds to tribal potato farmers-10 tons | 60000.00 | SMS (PP), SMS (Agron), SS&H |
| 3 | Department of agriculture cooperation and farmers welfare, Idukki | Plant Health Clinic | Technological display board to agric-clinic-400nos | 300000.00 | SMS (PP) |
| 4 | MANAGE | DAESI | Diploma in Agricultural Extension Services for Input Dealers (DAESI)-2 nos. | 1600000.00 | All technical staff members |
| 5 | ATMA-IDUKKI | Mushroom | Low Cost Solar Power Integrated outdoor Mushroom growing unit (10 units) | 400000.00 | SMS (PP), PA (RC), SS&H |
| 6 | ASCI | vermicompost | Training - 1 | 200000.00 | SMS (SS), SMS (PP), SMS (Agro), Supporting Staff, SS & H |
| 7 | ASCI | Small poultry farmer | Training - 1 | 250000.00 | SMS (AH), SMS (Ag. Extn), SS&H |

**15. Revolving fund**

**15.1Financial status of revolving fund**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Opening balance as on 01.04.2019**  **(Rs.in Lakh)** | **Expenditure incurred during 2019-20**  **(Rs.in Lakh)** | **Receipts during**  **2019-20**  **(Rs.in Lakh)** | **Closing balance as on 31.01.2020**  **(Rs.in Lakh)** | **Expected closing balance by 31.03.2020 (Including value of material in stock/ likely to be produced)** |
| 4.7 | 47.57 | 55.75 | 12.88 | 27.69 |

**15.2 Plan of activities under revolving fund**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Proposed activities** | **Expected output** | **Anticipated income (Rs.)** | **Names of the team members involved** |
| 1. | Vermicompost | 5000 kg | 1,00,000.00 | SMS (SS), SMS (Agronomy), SMS (PP), SS & H |
| 2. | Micronutrient mixtures | 1000 kg | 2,00,000.00 | SMS (SS), SMS (Agronomy), SMS (PP), SS & H |
| 3. | Bio-products | 19550 L | 3725000.00 | SMS (PP) |
| 4. | VAM Production | 3 tonnes | 360000.00 | SMS (Agronomy), SS & H |
| 5. | Poultry Layer Chicks | 1000 | 100000.00 | SMS (AH) |
| 6. | Ducklings | 200 | 20000.00 | SMS (AH) |
| 7. | Black pepper rooted cuttings | 10000 nos. | 1,00,000.00 | PA (RC), SS & H |
| 8. | Vegetable seeds | 1000 packets | 20,000.00 | PA (RC), SS & H |
| 9. | Value added products from agricultural waste | 100 nos. | 25,000.00 | PA (RC), SS & H |
| 10. | Ornamental plants | 2000 nos. | 2,00,000.00 | PA (RC), SS & H |
| 11. | Spawn | 3000 nos. | 1,50,000.00 | PA (RC), SS & H |
| 12. | Mushroom | 100 kg | 30,000.00 | PA (RC), SS & H |
| 13. | Value added spices | 50 kg | 12,500.00 | PA (HSc.) |
| 14. | Banana diversified products | 100 kg | 20,000.00 | PA (HSc.) |
| 15. | Jack products | 30 kg | 7,500.00 | PA (HSc.) |
| 16. | Honey based products | 30 kg | 9,000.00 | PA (HSc.) |

## 16. Activities of soil, water and plant testing laboratory during 2020-21

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **Type of samples** | **No.of samples to be analyzed** | **Names of the team members involved** |
| 16.1 | Soil test using analytical lab | 0 | **-** |
| 16.2 | Soil test using mobile analysis kit | 500 | SMS (SS), SMS (Agro) |
| 16.3 | Water | 0 | **-** |
| 16.4 | Plant | 0 | **-** |
| 16.5 | Others, pl. specify | 0 | **-** |

## 17. E-linkage during 2020-21

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Nature of activities** | **Likely period of completion**  **(please set the time frame)** | **Remarks if any** |
| 17.1 | Fact sheet 2020-21 | March 2021 | Annual |
| 17.2 | KVK intervention database  Crop-wise Farmer database | March 2021 | \_\_ |
| 17.3 | Any other (Please specify) |  |  |

**18. Activities planned under rainwater harvesting scheme (only to those KVKs which are already having scheme under rain water harvesting): NIL**

|  |  |  |
| --- | --- | --- |
| **Sl. No** | **Activities planned** | **Remarks if any** |
|  |  |  |

**19. Farmers Field School (FFS) planned**

|  |  |  |
| --- | --- | --- |
| **Thematic area** | **Title of the FFS** | **Budget proposed in Rs.** |
| Promote eco-friendly crop management | Good Agricultural Practices in Bitter gourd | 30000.00 |

**20. Integrated Farming System (IFS) planned : NIL**

|  |  |  |
| --- | --- | --- |
| **Description of model(s)** | **No. of models/units** | **Budget proposed in Rs.** |
|  |  |  |

**21.Details of budget utilization (2019-20) upto 31 March 2020**

**(Rs.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure**  **(Rs.)** |
| **21.1** | **(A). REVENUE (Recurring Contingencies)** |  |  |  |
| 21.1.1 | Pay & Allowances | 13810000.00 | 13810000.00 | 13812009.00 |
| 21.1.2 | Traveling allowances | 110000.00 | 110000.00 | 110000.00 |
| 21.1.3 | **Contingencies** |  |  |  |
| 21.1.3.*a* | *Stationery, telephone, postage and other expenditure on office running, publication of Newsletter* | 225000.00 | 225000.00 | 225000.00 |
| 21.1.3.*b* | *POL, repair of vehicles, tractor and equipments* | 160000.00 | 160000.00 | 160000.00 |
| 21.1.3.*c* | *Food/refreshment for farmers/extension personnel @ Rs.150/person/day* | 110000.00 | 110000.00 | 110000.00 |
| 21.1.3.*d* | *Training material (need based materials and equipments for conducting the training)* | 50000.00 | 50000.00 | 50000.00 |
| 21.1.3.*e* | *Frontline demonstrations* | 243000.00 | 243000.00 | 243000.00 |
| 21.1.3.*f* | *On farm testing (OFTs)/Technology Assessment* | 105000.00 | 105000.00 | 105000.00 |
| 21.1.3.*g* | *Integrated Farming System (IFS) (Min. 5 Units)* | 0.0 | 0.0 | 0.0 |
| 21.1.3.*h* | *Training of extension functionaries* | 25000.00 | 25000.00 | 25000.00 |
| 21.1.3.*i* | *Extension activities/services* | 45000.00 | 45000.00 | 45000.00 |
| 21.1.3.*j* | *Farmers' Field School* | 25000.00 | 25000.00 | 25000.00 |
| 21.1.3.*k* | *EDP (1 Nos.) / Innovative activities* | 25000.00 | 25000.00 | 25000.00 |
| 21.1.3.*l* | *Soil & water testing & issue of soil health cards* | 50000.00 | 50000.00 | 50000.00 |
| 21.1.3.*m* | *Maintenance of building* | 50000.00 | 50000.00 | 50000.00 |
| 21.1.3.*n* | *Nutri Garden* | 25000.00 | 25000.00 | 25000.00 |
| 21.1.3.*o* | *Video production (Annual Review Work shop)* | 0.00 | 0.00 | 0.00 |
| 21.1.3.*p* | *Library (Purchase of Journals, Periodicals, News Papers& Magazines)* | 5000.00 | 5000.00 | 5000.00 |
|  | **Total Recurring** | **15063000.00** | **15063000.00** | **15065009.00** |
| **21.2** | **(B). CAPITAL (Non-Recurring Contingencies)** |  |  |  |
| 21.2.1 | **Equipments& Furniture** | 0.00 | 0.00 | 0.00 |
| 21.2.2 | **Works** | 0.00 | 0.00 | 0.00 |
| 21.2.3 | **Vehicle** | 0.00 | 0.00 | 0.00 |
| 21.2.3 a | Four wheeler (replacement) | 0.00 | 0.00 | 0.00 |
| 21.2.4 | **Library** | 0.00 | 0.00 | 0.00 |
|  | **TotalNon Recurring** | 0.00 | 0.00 | 0.00 |
| **21.3** | **(C). REVOLVING FUND** | 0.00 | 0.00 | 0.00 |
|  | **GRAND TOTAL (A+B+C)** | **15063000.00** | **15063000.00** | **15065009.00** |

1. **Details of Budget Estimate based on proposed action plan(2020-21)**

|  |  |  |
| --- | --- | --- |
| **Sl.No.** | **Particulars** | **BE 2020-21 proposed (Rs.)** |
| **22.1** | **(A). REVENUE (Recurring Contingencies)** |  |
| 21.1.1 | Pay & Allowances | 1,46,00,000.00 |
| 22.1.2 | Traveling allowances***(* High range area)** | 2,00,000.00 |
| 22.1.3 | **Contingencies** |  |
| 22.1.3.*a* | *Stationery, telephone, postage and other expenditure on office running, publication of Newsletter( Advertisement for two regular posts and two post for DAMU)* | 3,30,000.00 |
| 22.1.3.*b* | *POL, repair of vehicles, tractor and equipments****(* High range area)** | 2,50,000.00 |
| 22.1.3.*c* | *Food/refreshment for farmers / extension personnel @ Rs.150/person/day* | 1,25,000.00 |
| 22.1.3.*d* | *Training material (need based materials and equipments for conducting the training)* | 1,00,000.00 |
| 22.1.3.*e* | *Frontline demonstrations* | 2,87,250.00 |
| 22.1.3.*f* | *On farm testing (OFTs)/Technology Assessment* | 88125.00 |
| 22.1.3.*g* | *Integrated Farming System (IFS) (Min. 1Units)* | 0.00 |
| 22.1.3.*h* | *Training of extension functionaries* | 30,000.00 |
| 22.1.3.*i* | *Extension activities/services* | 1,00,000.00 |
| 22.1.3.*j* | *Farmers' Field School* | 30,000.00 |
| 22.1.3.*k* | *EDP ( Nos.) / innovative activities* | 0.00 |
| 22.1.3.*l* | *Soil &water testing & issue of soil health cards* | 50,000.00 |
| 22.1.3.*m* | *Maintenance of building* | 1,50,000.00 |
| 22.1.3.*n* | *Library (Purchase of Journals, Periodicals, News Papers& Magazines)* | 5,000.00 |
| 22.1.3.o | *Others, pl. specify (Pre Rabi Campaign)* | 1,00,000.00 |
|  | **Total Recurring (A)** | **1,64,45,375.00** |
| **22.2** | **(B). CAPITAL (Non-Recurring Contingencies)** |  |
| 22.2.1 | **Equipments& Furniture** | 0.00 |
| 22.2.2 | **Works** | 0.00 |
| 22.2.3 | **Vehicle** | 0.00 |
| 22.2.3.a | Four wheeler (replacement) | 0.00 |
| 22.2.4 | **Library** | 0.00 |
|  | **Total Non Recurring (B)** | **0.0** |
|  | **Grand Total (A + B)** | **1,64,45,375.00** |

**-:O:-**