



Action Plan 2016-17



ICAR – Krishi Vigyan Kendra

Saraswathi Foundation for Rural Development and Training

Pulutheri Village, R.T. Malai Post,

Kulithalai Taluk, Karur - 621313

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ICAR ATARI – ZONE VIII, BENGALURU

ACTION PLAN OF ICAR - KVK, KARUR IN ZONE VIII
2016-17

1. General information about the Krishi Vigyan Kendra

| | | | |
|-----|--|---|---|
| 1.1 | Name and address of KVK with Phone, Fax and e-mail | : | ICAR Krishi Vigyan Kendra, Pulutheri Village, R.T Malai (PO) Kulithalai (TK), Karur District - 621 313 Phone : 04323 291666, Mobile : 09790020666 Fax : 04323 290040, E-mail : skvkk@yahoo.co.in , Website : www.skvkk.org |
| 1.2 | Name and address of host organization | : | Saraswathi Foundation for Rural Development and Training, Pulutheri Village, R.T Malai (PO) Kulithalai (TK), Karur District - 621 313 Phone : 04323 291666, Mobile : 09790020666 Fax : 04323 290040, |
| 1.3 | Year of sanction | : | 13 th April, 2005 (F. No. 18-5/96-AE-I) |
| 1.4 | Website address of KVK and date of last update | : | Website : www.skvkk.org , Last updated 04.03.16 |

2. Details of staff as on date 28.02.16

| Sl. No. | Sanctioned post | Name of the incumbent | Discipline | Existing Pay band | Grade Pay | Date of joining | Permanent / Temporary |
|---------|---------------------------|-----------------------|-------------------------|-------------------|-----------|-----------------|-----------------------|
| 2.1 | Senior Scientist and Head | Dr.J.Diraviam | Agricultural Entomology | 37400-67000 | 9000 | 03.05.10 | Permanent |
| 2.2 | Subject Matter Specialist | P. Tamil selvi | Agricultural Extension | 15600-39100 | 5400 | 29.05.09 | Permanent |
| 2.3 | Subject Matter Specialist | Dr.L.Malathi | Home Science | 15600-39100 | 5400 | 16.08.13 | Permanent |
| 2.4 | Subject Matter Specialist | P. Kaviyarasu | Horticulture | 15600-39100 | 5400 | 16.08.13 | Permanent |
| 2.5 | Subject Matter Specialist | M. Thirumurugan | Agronomy | 15600-39100 | 5400 | 16.08.13 | Permanent |
| 2.6 | Subject Matter Specialist | N. Marikannu | Soil Science | 15600-39100 | 5400 | 03.08.15 | Permanent |
| 2.7 | Subject Matter Specialist | Dr. R. Arun | Animal Science | 15600-39100 | 5400 | 19.06.15 | Permanent |
| 2.8 | Programme Assistant | P. Karuppasami | Lab Technician | 9300-34800 | 4200 | 02.12.10 | Permanent |
| 2.9 | Programme Assistant | J. Arunkumar | Computer | 9300-34800 | 4200 | 29.03.10 | Permanent |
| 2.10 | Programme Assistant | N.Srithar | Farm Manager | 9300-34800 | 4200 | 16.08.13 | Permanent |
| 2.11 | Accountant/Superintendent | V. Boopathi | - | 9300-34800 | 4200 | 01.09.06 | Permanent |
| 2.12 | Stenographer | Dr.S.Latha | - | 5200-20200 | 2400 | 03.05.07 | Permanent |
| 2.13 | Driver 1 | R. Veeramalai | - | 5200-20200 | 2000 | 01.11.11 | Permanent |
| 2.14 | Driver 2 | R. Manimaran | - | 5200-20200 | 2000 | 01.09.14 | Permanent |
| 2.15 | Supporting staff 1 | P.Saravanan | - | 5200-20200 | 1800 | 01.06.10 | Permanent |
| 2.16 | Supporting staff 2 | R.Perumal | - | 5200-20200 | 1800 | 01.02.11 | Permanent |

3. Details of SAC meeting conducted during 2015-16

| S.No | Date | Recommendations | ACTION TAKEN |
|------|----------|---|--|
| 1. | 10.06.15 | KVK should concentrate on diversified crop cultivation in horticulture belt | Trainings conducted to farmers on diversified crops cultivation using advanced technologies. |
| 2. | | Cluster bean to be introduced among farmers. | Cluster bean cultivation techniques and marketing demand explained during trainings. Now farmers started to cultivate Cluster bean |
| 3. | | KVK should include dry tract fruit crops such as pomegranate, jamun, jack, wood apple and Manila tamarind cultivation | Awareness created among the farmers to cultivate dry land fruit crops. |
| 4. | | Trainings on Scientific Ixora flower cultivation to be | Training to farmers given through IOB, RSETI |

| | | |
|-----|---|---|
| | organized. | training on commercial flowers cultivation. |
| 5. | KVK to depute resource person in trainings and exposure visits to 52 horticulture groups organized by State department. | KVK has regularly deputed Resource person for the Horticulture Department trainings in different blocks. |
| 6. | In order to make Quality seeds and seedlings available on time, KVK has to undertake production and supply of the same. | Our KVK producing quality seeds, slips and seedlings of vegetables from our nursery. |
| 7. | Rural youth and farm women participation to be enhanced. | Four trainings were conducted to rural youth and farm women(75 members) |
| 8. | Training on Cultivation and value addition of minor millets to be organized. | Three value addition in millets trainings were conducted(80 members) and 3 millets cultivation training (60 farmers) through ATMA programme |
| 9. | Trainings on Organic farming for major crops to be organized by KVK. | Advisory and lecture delivered on Organic cultivation and organic inputs preparation methods in ATMA Training programmes |
| 10. | Training on Plant protection aspects to be organized for farmers | Integrated pest and disease management in agricultural and horticultural crops were organized. Technical sessions on IPM handled in ATMA trainings. |
| 11. | As the subsidy schemes are not eligible for crop varieties released 10 years earlier, KVK needs to identify new suitable crop varieties for availing subsidy. | Identified new suitable varieties in black gram VBN-5 & 6, Groundnut varieties Co-7 and Kadiri 9, Paddy TKM 13, Co (R) 51. |
| 12. | Critical technologies assessed/demonstrated shall be documented and submitted to concerned departments for scaling up. | Critical technologies are assessed, demonstrated, documented and submitted to State Agricultural Department, Karur. |
| 13. | The feedback given by farmers about new technologies should be informed to TNAU and other relevant institutions through proper channel | The feedback given by farmers about new technologies were informed to TNAU and State Agricultural / Horticultural department |
| 14. | The adopter, non adopter percentage and reasons for non adoption to be studied in all KVK trainings. | The adopter, non adopter percentage and reasons for non adoption were studied in on, off and vocational trainings. |
| 15. | Agri-tech portal information to be disseminated among | Agri-tech portal information was disseminated among |

| | | |
|-----|---|---|
| | farmers. | farmers through advisory services and group meetings. |
| 16. | Success stories to be disseminated through DD Podhigai channel. | Success stories were disseminated through Makkal TV. |
| 17. | SMS (Agrl.Ext'n) should study the difference between KVK contact farmer's loan repayment behaviour and other farmer's loan repayment behaviour. | Study in progress. |
| 18. | Tree fodder seed banks to be developed by KVK. | Glyricidia and subabul seed bank developed |
| 19. | Awareness programme on importance of chaff cutter to be organized by KVK | In every training importance of chaff cutter was included |
| 20. | Animal husbandry officials to be involved in KVK trainings. | Two Animal health camps were conducted in coordination with Animal Husbandry. Animal husbandry officials invited for ATMA Sponsored training organized by KVK |
| 21. | Training on Supply chain Management, formation of Farmers Producer Company and Market led Agriculture to be organized by KVK. | KVK formed 2 Farmers Producers company with the financial support of NABARD. |
| 22. | Farmers to be sensitized on prompt repayment of crop loans during all KVK Programmes. | Farmers were sensitized on prompt repayment of crop loans during all KVK Programmes. |
| 23. | Bank officials to be invited in KVK training programmes to sensitize the farmers on various loan products. | Bank officials were invited in Sponsoring training programmes to sensitize the farmers on various loan products. |
| 24. | KVK to play the bridging role with all line departments for effective technology dissemination. | KVK played the bridging role with all line departments for effective technology dissemination |

4. Capacity Building of KVK Staff

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

| S. No | New Areas of Training | Institution proposed to attend | Justification |
|-------|--|--------------------------------|---|
| 4.1.1 | Transfer of technologies effectively by using mass medias | ATIC, TNAU, Coimbatore | To spread the KVK activities in effective manner |
| 4.1.2 | Development and Management of Agricultural programmes for AIR, Doordharsan and Print media | MANAGE, Hyderabad | For proper dissemination of technology through mass media |

| | | | |
|-------|--|----------------|---|
| 4.1.3 | Organic cultivation of agriculture crops and their production. | TNAU | To increases the soil fertility and reduce the synthetic fertilizers, pesticides and increase the farm income |
| 4.1.4 | Drought mitigation and advance crop production technologies in field crops | TNAU | To learn about advanced drought mitigation and crop production technologies |
| 4.1.5 | Recent advance agriculture crop production technologies in Oil seeds | DOR, Hyderabad | To increase the farmers farm yield and income through recent advanced technologies |
| 4.1.6 | Organic cultivation and input preparation of agricultural crops. | TNAU | To increase the soil fertility and reduce the synthetic fertilizers, pesticides and increase the farm income |

4.2. Cross-learning across KVKs during 2016-17

| S. No | Name of the KVK proposed | Specific learning areas |
|-------|--------------------------------------|---|
| 4.2.1 | Within ring - Trichy, Perambalur | Seeds, Production of bio control agent, Technology adoption in the KVK farm |
| 4.2.2 | Within the zone – Erode, Pondicherry | Bio control agent production, Nursery production and sales techniques Horticultural Plants |
| 4.2.3 | Outside zone - Ahmednagar | To learn about successful convergence of various development department |
| 4.2.4 | Dharwad | To learn about the seed production |
| 4.2.5 | Kannur | To study about paddy task force |

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

| S. No. | Name of the KVKs included in the cluster | What do you intend to share with Cluster KVKs | What do you expect from Cluster KVKs |
|--------|--|---|--------------------------------------|
| 5.1 | KVK, Trichy | Knowledge | Value addition |
| 5.2 | KVK, Namakkal | Expertise | Livestock |
| 5.3 | KVK, Perambalur | Knowledge | Seeds |
| 5.4 | KVK, Pudukottai | Expertise | Seeds |
| 5.5 | KVK, Dindigul | Knowledge | Marketing |

6. Operational areas details proposed during 2016-17

| S. No. | Major crops & enterprises being practiced in cluster villages | Prioritized problems in these crops/ enterprise | Extent of area (Ha / No.) affected by the problem in the district | Names of Cluster Villages identified for intervention | Proposed Intervention (OFT, FLD, Training, extension activity etc.)* |
|--------|---|--|---|---|--|
| 6.1 | Paddy | Labour problem, Problematic soil (Salinity) , pest incidence and need for replacement of ADT43 in navarai season | 4374 | Thogaimalai, Nangavaram, Neithalur, Palaviduthi, , Neithalur, | OFT, FLD, Training and demonstration |
| 6.2 | Sorghum | Moisture stress and low yield due to use of local variety | 11749 | Veerarackiam , Thogaimalai, Naganur, Pothuravuthanpatti Nangavaram, Palaviduthi | FLD, Training and demonstration |
| 6.3 | Bajra | Low yield due to use of traditional varieties | 7330 | Pothuravuthanpatti, Neithalur, Thogaimalai, Veerarackiam | FLD, training and demonstration |
| 6.4 | Maize | Low yield and drought (Low moisture) | 50 | Chinnareddiyapatti, Palaviduthi | Training and demonstration of various techniques |
| 6.5 | Black gram | Use of local varieties, micronutrient deficiency and YMV | 324 | Punavasipatti, Neithalur, Thogaimalai, Nangavaram , Malaikovilur, Palaviduthi, Krupuk | FLD and Training and demonstration |
| 6.6 | Green gram | Low yield due to poor use of local varieties, micronutrient deficiency and YMV | 30 | Inugur, Thogaimalai, Panchapatti, Neithalur | FLD, Training and demonstration |
| 6.7 | Redgram | Poor pod setting and poor nutrient management | 1020 | Punavasipatti, Krupuk, Korakuthi, Panchapatti, Chinnapanayur | FLD, training and demonstration |
| 6.8 | Sunflower | Micronutrient deficiency | 1395 | Veerarackiyam, Thogaimalai, | FLD and Training |

| | | | | | |
|------|-----------|--|------|--|--------------------------------------|
| | | | | Malaikovilur, Punavasipatti, Korakuthi | |
| 6.9 | Groundnut | Poor germination due to use of local varieties, Poor nutrient management and Pest and disease problems | 2013 | Punavasipatti, Velliyanai, Veerarackiam, Pothuravuthanpatti, | OFT, FLD, Training and demonstration |
| 6.10 | Sesame | Moisture stress, Pest infestation, disease incidence leading to low yield. | 2550 | Nangavaram, Thogaimalai, Pothuravuthanpatti, Veerarackiam, Palaviduthi, Malaikovilur | Training and Demonstration |
| 6.11 | Banana | High cost of production, Low profitability due to low market price | 870 | Nangavaram, Neithalur | FLD, Training and demonstration |
| 6.12 | Tapioca | Low starch content and low yield | 500 | Thogaimalai, Karuppur | FLD, Training and demonstration |
| 6.13 | Drumstick | Low yield due to improper nutrient management and pruning techniques | 740 | Malaikovilur, Thogaimalai | Training and Demonstration |
| 6.14 | Bhendi | Low yield due to high incidence of yellow Vein Mosaic Virus and micro nutrient deficiency | 100 | Palaviduthi, Nangavaram, Thogamalai, | FLD, Training and demonstration |
| 6.15 | Brinjal | Low yield due to high incidence of shoot and fruit borer and micro nutrient deficiency | 104 | Palaviduthi, Nangavaram, Thogamalai, | Training and demonstration |
| 6.16 | Chillies | High incidence of mites, thrips and root rot disease | 144 | Palaviduthi, Nangavaram, Thogamalai, Velliyanai | FLD, Training and demonstration |
| 6.17 | Onion | Low yield due to cultivation of local varieties and High incidence of thrips | 150 | Thogamalai, Palaviduthi, Malaikovilur | Training and demonstration |
| 6.18 | Coconut | Low nut yield due to high incidence of Rhinoceros beetle and micro nutrient deficiency | 2012 | Veerarackiam, Palaviduthi, | FLD, Training and demonstration |

| | | | | | |
|------|----------------|---|------|--|---------------------------------|
| 6.19 | Amla | Low market price, Removal of seed is very difficult for value addition | 88 | Thogaimalai | Training and demonstration |
| 6.20 | Flower | Lack of awareness on off season flowering techniques, micronutrient application, pest incidence | 50 | Nangavaram, Suryanur, Karuppur and Sekkanam | FLD, Training and demonstration |
| 6.21 | Fruits | Poor nutrient management and pest incidence | 1688 | Palaviduthi, Nangavaram, Thogaimalai | Training and demonstration |
| 6.22 | Millets | Low profit, lack of awareness about value added products | 9546 | Thogaimalai, Velliyanai | Training and Demonstration |
| 6.23 | Dairy | Poor Nutrient management in cows | - | Thogaimalai, Nangavaram, Neithalur, Palaviduthi, and Neithalur | Training and demonstration |
| 6.24 | Dairy | Low Knowledge on reproduction | - | Seethapatti, Thogaimalai Nangavaram, Neithalur, Veerarackiam and Panchapatti | Training and Demonstration |
| 6.25 | Dairy | Lack of Knowledge in udder health management | - | Seethapatti, Thogaimalai Nangavaram, Neithalur, Veerarackiam and Panchapatti | Training and demonstration |
| 6.26 | Small Ruminant | Inadequate nutrient management | - | Thogaimalai Kalugur, D.Seethapatti and Palaviduthi | Training and Demonstration |
| 6.27 | Small Ruminant | Poor health Management in flocks | - | Thogaimalai, Chinnareddipatti and Pillur | FLD, Training and demonstration |
| 6.28 | Poultry | Poor health Management | - | Neithalur, Thogaimalai, Veerarackiam, Korakuthi, Karuppur and Palaviduthi | FLD, Training and demonstration |
| 6.29 | Dairy | Less Knowledge on reproduction in buffalo | - | Neithalur and Thogaimalai | Training and Camp |
| 6.30 | Vegetables | Improper utilization of house hold wastes | | Pulutheri, R.T.Malai, Palaviduthi, Vadaseri | Training |

| | | | | | |
|------|--------------------|---|---|-------------|----------------------------|
| 6.31 | Vegetables | Lack of awareness about importance of fruits and vegetables in their daily diet | | Thogaimalai | FLD, Training |
| 6.32 | Homemade Chocolate | Lack of awareness on preparation technology in household level | - | Thogaimalai | Training cum Demonstration |
| 6.33 | Value addition | Lack of awareness on value addition | | Seethapatti | Training |

* Support with problem-cause and interventions diagram

7. Technology Assessment during 2016-17

| S. 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 | Groundnut | Low yield due to poor germination of local market purchased seeds Low availability of water and moisture stress leading to low yield Farmers getting low yield due to pest and diseases incidence | Assessment of the Two high yielding groundnut varieties in Karur district | To1- Farmers practices (TMV7) | TNAU (2015) | VRI – 8 Seed 125 kg/ha | 50 kg | 3000 | 5 | 35375 | No of plants per m ² , No. of pods per plant, Pod yield, 100 kernel weight, Incidence of pests and diseases BCR | SMS (Agronomist), SS&H, SMS (SS), Agrilextn, PAT |
| | | | | To2- VRI 8 | | TNAU Groundnut Rich 5 kg/ha (Two spray) | 2 kg | 400 | | | | |
| | | | | To3- Kadiri 9 | | TNAU Groundnut Kadiri - 9 Seed 125 kg/ha | 50 kg | 3000 | | | | |
| 7.2 | Paddy | Labour problem, High cost for weeding, | Assessment of two paddy Conoweeder | Manual weeding | - | TNAU Conoweeder | 1no | 600 | 5 | 8,775 | weeding cost /ha, Weeding time/ ha, | SMS(HSC)SMS(AGR),PAT, |
| | | | | | | Modified Conoweeder, | 1no | 600 | | | | |

| | | | | | | | | | | | | |
|--|--|-----------------------|--|---------------------|-------------------------|--|----------------|----------------|--|--|---|--------------|
| | | Drudgery in operation | | TNAU Conoweeder | TNAU (2006) | Star weeder (All weeders 50% farmer contribution) Field board | 1no 1no | 500 275 | | | BC ratio Pulse rate and BP measurements before and after weeding | SMS(EXTN) |
| | | | | TNAU Star weeder | TNAU (2005) | | | | | | | |
| | | | | Modified Conoweeder | Farmer innovation, 2015 | | | | | | | |
| | | | | | | | | | | | Total | 44150 |

8. Frontline Demonstrations during 2016-17

| S. 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 |
|--------|----------|-----------------|--|--|---------------------------|-------------------------------|----------------------|--|---------------------------------------|-------------------------------|-------------|-------------------------------|--|---|
| 8.1 | Cereals | Paddy | Farmers getting low yield due to pest and diseases incidence and BPT 5204 leading to increased production cost and reduced yield | New paddy variety TKM 13 moderately resistant to blast (TNAU 2015) | Variety | TKM -13 | TNAU 2015 | Paddy seed 30 Kg/ha Azospirillum @2.5 kg/ha Phosphobacteria @ 2.5 kg /ha Pseudomonas fluorescens 2.5 kg/ha Field board | 15 kg 1 kg 1 kg 1 kg 1 no | 525 50 50 100 275 | 10 | 10000 | No. of plants per m2, No. tillers per m2, No. of panicle per hill, No. of grains per panicle, Grain and Straw yield, Pest and disease incidence, Cooking quality, BCR | SMS (Agro n) SS&H, SMS (SS), Agrl.E xtn, HSc, PAT |

| | | | | | | | | | | | | | | |
|-----|---------|-------|---|---------------------|---|----------|-----------|---|--------------------------------|-------------------------------|----|-------|---|--------------------------------------|
| 8.2 | Cereals | paddy | Low yield and Need for replacement of ADT43 | TNAU Rice CO (R) 51 | - | Co(R) 51 | TNAU 2013 | Seed 60 kg/ha Azospirillum 2.5 kg/ha Phosphobacteria 2.5 kg/ha <i>P.flourescens</i> 2.5 kg/ha Field board | 24 kg 1 kg 1 kg 1 no. | 720 50 50 100 275 | 10 | 11950 | No. of productive tillers/hill Percent disease incidence No. of grains/panicle Cooking quality Milling percentage Yield BCR | SMS Agrl. Extn , SMS (Agronomy), PAT |
|-----|---------|-------|---|---------------------|---|----------|-----------|---|--------------------------------|-------------------------------|----|-------|---|--------------------------------------|

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|-----|---------|---------|--|--|---------|-------|-----------|------------------------------------|-------|-----|----|------|--|---|
| 8.3 | Millets | Sorghum | Low yield due to use of traditional sorghum variety. (1000-1200 kg/ha) | High yielding sorghum variety CO - 30 for dual purpose | Variety | CO 30 | TNAU 2010 | Seed Sorghum CO -30 @10 kg/ha | 40 kg | 160 | 10 | 5350 | No. of plants per m2 No. of grains per ear head Percent incidence of pests and diseases Grain quality Yield BCR | SMS (Agro n) SS&H, SMS (SS), Agrl. Extn, PAT |
| | | | No awareness about pest and diseases resistant and new high yielding varieties . | | | | | <i>Azospirillum</i> @ 2.5g kg/ha | 1 kg | 50 | | | | |
| | | | | | | | | <i>Phosphobacteria</i> @ 2.5 kg/ha | 1 kg | 50 | | | | |
| | | | | | | | | Field board | 1 no | 275 | | | | |

| | | | | | | | | | | | | | | |
|-----|---------|--------------|---|----------------------------|---|-------|-----------|---|--|-------------------------------------|----|-------|--|----------------------------------|
| 8.4 | Millets | Pearl millet | Low yield due to sowing of traditional variety. | Pearl millet CO 10 variety | - | CO 10 | TNAU 2016 | Pearl millet CO 10 Seed 5 kg/ha Micronutrient mixture for Bajra 12.5 kg/ha Azospirillum- 2.5 kg/ha Phosphobacteria- 2.5 kg/ha Value addition (cookies, porridge mix, health balls) Field board | 2 kg 5 kg 1 kg 1 kg - 1 no. | 80 250 50 50 500 275 | 10 | 12050 | Percent pests and disease incidence, grain yield Organoleptic evaluation BCR | SMS Agrl. Extn. Agron, HSC , PAT |
|-----|---------|--------------|---|----------------------------|---|-------|-----------|---|--|-------------------------------------|----|-------|--|----------------------------------|

| | | | | | | | | | | | | | | |
|-----|---------------------|------------|--|--|--|--|-----------|---|------|------|---|------|--|--------------------------------------|
| 8.5 | Horticultural crops | Vegetables | Inorganic pesticides residues in fruits and vegetables purchased from market, Improper utilization of waste water, Lack of nutritional knowledge among school children | Organic nutritional gardening in schools | | | TNAU-2010 | Vegetable Seed, Seedlings (fruits and vegetables) | - | 1000 | 4 | 8100 | Yield, vegetable preference before and after demonstration, BC ratio | SMS(HSC) SMS(Horti), SMS (EXTN) PAT, |
| | | | | | | | | | - | 500 | | | | |
| | | | | | | | | Bio-pesticides, | 1lit | 200 | | | | |
| | | | | | | | | Bio fertilizers, | 1lit | 50 | | | | |
| | | | | | | | | Field board | 1no | 275 | | | | |

| | | | | | | | | | | | | | | |
|-----|---------------------|---------------------------|--|---|---------|-------------------|------------|-------------------------------------|--------|------|---|------|-----------------------------------|----|
| 8.6 | Horticultural crops | Cucurbitaceous vegetables | Yield loss due to Viral disease, powdery mildew, Fruit fly, Leaf miner, Red spider mites, leaf eating caterpillars | IPM technique for cucurbitaceous vegetables | Variety | Commercial hybrid | NIPHM 2014 | <i>Trichoderma viride</i> 2.5 kg/ha | 1kg | 100 | 5 | 8875 | % incidence of pests and diseases | FM |
| | | | | | | | | Light trap | 1 | 1000 | | | Yield | |
| | | | | | | | | methyl eugenol traps 25/ha. | 5 Nos. | 400 | | | BCR | |
| | | | | | | | | Field boards | 1 no | 275 | | | | |

| | | | | | | | | | | | | | | |
|-----|---------------------|------------|---|--|--------|--------------------|-----------|---|---|--|----------|-------|---|--------------------------|
| 8.7 | Horticultural crops | Vegetables | Low yield due to high incidence of Yellow Vein Mosaic Virus Disease (50%) | Demonstration of YMV resistant Bhendi Hybrid Co (Bh) H 4 | Hybrid | Hybrid Co (Bh) H 4 | TNAU,2016 | Seeds Rs.2000/Kg, 2.5Kg/ha Azospirillum 2.5 kg/ha Phosphobacteria 2.5 kg/ha <i>P.flourescens</i> 2.5kg/ha Micronutrient mixture 1kg/demo @160 Rs/kg Field boards | 500g 500 g 500 g 500g 1kg 1 No | 1000 25 25 50 160 275 | 10(2 ha) | 15350 | Yield /plant Yield/ha, BCR Percentage of Yellow Vein Mosaic Virus Disease Incidence, Market preference | SS&H SMS - Horti PAT PAC |
|-----|---------------------|------------|---|--|--------|--------------------|-----------|---|---|--|----------|-------|---|--------------------------|

| | | | | | | | | | | | | | | |
|-----|---------------------|-------------------------------|---|-------------------------------|---------|-----------------|-----------|--|--|---------------------------------------|----|-------|---|--------------------------|
| 8.8 | Horticultural crops | Intercropping onion in Banana | Low income due to less market value of banana. No awareness about intercropping techniques in banana. | Intercropping onion in Banana | Variety | Onion Co (On) 5 | TNAU,2001 | <i>Seeds 3 kg/ ha @ 3000/kg</i> <i>Azospirillum 4kg/ha</i> <i>Phosphobacteria 4kg/ha</i> <i>P.flourescens 5kg/ha</i> <i>Trichoderma viride 6.25kg</i> Field board | 600g 800 g 800 g 1 kg 1.25 kg 1 | 1800 40 40 100 125 275 | 10 | 23800 | Bulb Yield/ha, Quality parameter, Percent incidence of pests and diseases, BCR, Market preference | SS&H SMS - Horti PAT PAC |
|-----|---------------------|-------------------------------|---|-------------------------------|---------|-----------------|-----------|--|--|---------------------------------------|----|-------|---|--------------------------|

| | | | | | | | | | | | | | | |
|-----|---------------------|---------|---|---|---------|--------------|-----------|---|------------|-----|------------------------------------|-------|--|-------------------------------------|
| 8.9 | Horticultural crops | Coconut | Low yield due to imbalance d nutrient application and high deficiency of micronutrient cause pencil top disease | Integrated Nutrient Management in Coconut | Variety | Tall Variety | TNAU,2013 | TNAU coconut tonic | 400ml/tree | 400 | 10 farmers, (10 trees per farmer) | 12500 | Nuts /tree, Nut and kernel weight, Yield/ha, BCR | SS&H SMS - Soil Science , Horti PAT |
| | | | | | | | | Pre, post Soil Test | | 100 | | | | |
| | | | | | | | | Micronutrient mixture (Zn, Fe, B, Cu, Mn @ each 225g) | 500g/tree | 750 | | | | |

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|------|---------------------|---------|---|---------------------------------|----------------------|---|------------|--|-------|-----|----|--|-------|--|--|--|--|--|--|--------------------------|
| 8.10 | Horticultural crops | Jasmine | High cost of cultivation due to imbalanced fertilizer application and indiscriminate pesticide application, Low production of flowers during November to Jan. No awareness about Off season flowering in jasmine. | Demonstration of ICM in Jasmine | Ramanathapuram local | - | TNAU, 2013 | 4% Humic Acid 8 lit@Rs 800/lit | 800ml | 640 | | | | | | | | | Season of pruning, percent incidence of pests and diseases, Marketable flower yield/plant, yield/ha, BC Ratio. | SS&H SMS - Horti PAT PAC |
| | | | | | | | | 3% Panchakavya (TNAU) <i>Azospirillum</i> 4kg/ha | 600ml | 45 | 10 | | 10100 | | | | | | | |
| | | | | | | | | <i>Phosphobacteria</i> 4kg /ha | 400g | 25 | | | | | | | | | | |
| | | | | | | | | Field Board | 1 no | 275 | | | | | | | | | | |

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|------|---------------------|----------|---|---|--------|------------------------|-------|---|------|------|----|--|--|-------|--|--------------------------|--|
| 8.11 | Horticultural crops | Chillies | Low yield due to cultivation of local varieties, imbalanced nutrient application and high deficiency of micronutrient | Demonstration of TNAU Chilli Hybrid Co1 | Hybrid | TNAU Chilli Hybrid Co1 | TNAU, | <i>Pseudomonas fluorescens</i> 1kg <i>Azospirillum</i> 2 kg/ha <i>Phosphobacteria</i> 2 kg/ha Micronutrient mixture 1kg/demo @ 160 Rs/kg Light trap (50% farmers contribution) Field Board | 1kg | 100 | | | | 15750 | Green Chillies or Dry pods yield per plant , yield/ha, percent incidence of pests and diseases, BC Ratio | SS&H SMS - Horti PAT PAC | |
| | | | | | | | | | 400g | 20 | | | | | | | |
| | | | | | | | | | 400g | 20 | | | | | | | |
| | | | | | | | | | 1kg | 160 | 10 | | | | | | |
| | | | | | | | | | 1no | 1000 | | | | | | | |
| | | | | | | | | | 1 no | 275 | | | | | | | |

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|------|---------------------|-----------|--|------------------|---------|-----------------------|------------------|-----------------------------------|-------|-----|----|------|---|--------------------------------------|
| 8.12 | Horticultural crops | Tapioca | Low starch content and low yield due to poor ICM Practices | ICM in Tapioca | variety | Mulluvadi | Farmers practice | <i>Azospirillum</i> 2kg/ha | 800 g | 40 | 10 | 4550 | Starch content Yield /plant Yield/ha, BCR Percentage of White fly incidence Percentage of root rot incidence | SS&H SMS - Horti PAT PAC |
| | | | | | | | | <i>Phosphobacteria</i> 2kg/ha | 800 g | 40 | | | | |
| | | | | | | | | <i>T.viride</i> , @ 2.5kg/ha | 1 kg | 100 | | | | |
| | | | | | | | | Field board | 1 no | 275 | | | | |
| 8.13 | Horticultural crops | Drumstick | High cost of cultivation, lack of bearing during offseason, high pest and diseases | ICM in drumstick | Variety | Aravakurichi Local | NIPHM, 2014 | <i>Azospirillum</i> 5kg/ha | 2 kg | 100 | 10 | 6550 | Pod yield per plant, yield/ha, percent incidence of pests and diseases, BC Ratio | SS&H SMS - Horti PAT PAC |
| | | | | | | | | <i>Phosphobacteria</i> 5kg/ha | 2 kg | 100 | | | | |
| | | | | | | | | <i>P.flourescens</i> 5kg/ha | 2 kg | 200 | | | | |
| | | | | | | | | Tricho cards 5 cc/ha x 3 releases | 6 cc | 180 | | | | |
| | | | | | | | Field board | 1 no | 275 | | | | | |

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|--------------|-----------|---------|--------------------------------------|--|-----------------------|--|---------|---|---|------|----|-------|--|--|
| 8.14 | Livestock | Fodder | Poor Nutrient management in cows. | Demonstration of Mixed fodder production for dairy cattle | Hybrid | Bajra Napier CO 5 African tall maize and Cowpea CO 9 | TNAU | Seeds (African tall maize, Cowpea) | 2.25 kg | 245 | 5 | 11350 | Fodder Yield ,Milk Yield, Fat , SNF, & B.C.Ratio | SS&H , SMS-HSc, SMS – Agronomy, PAT, PAC |
| | | | | | | | | Slips | 1750 nos | 1750 | | | | |
| | | | | | | | | Field board | 1 no. | 275 | | | | |
| 8.15 | Livestock | Goat | Poor health Management in goats | Flock Health management in goats under semi intensive system | Vaccine and deworming | PPR. TT, ET, Deworming, Ectoparasiticide | TANUVAS | PPR. TT, ET Vaccine Deworming, Ectoparasiticide | 10 doses each | 250 | 10 | 10250 | Mortality % ,Weight gain at 1 st ,2 nd & 3 rd month of age, B.C.Ratio | SS&H , SMS-AE, PAT, PAC |
| | | | | | | | | Deworming, Ectoparasiticide | 10 doses | 350 | | | | |
| | | | | | | | | Field board | 1 no | 275 | | | | |
| 8.16 | Livestock | poultry | Poor health Management in desi birds | Health management of Desi Chicken under back yard condition | Vaccine and deworming | R ₂ B Vaccine and Deworming | TANUVAS | R ₂ B Vaccine | 1 unit (for 5 demos x 15 birds) | 2000 | 5 | 4875 | Mortality % ,Weight gain at 1 st ,2 nd & 3 rd month of age, B.C.Ratio | SS&H , SMS-AE, PAT, PAC |
| | | | | | | | | Deworming | 1 unit (for 5 demos x 15 birds x 3 doses) | 500 | | | | |
| | | | | | | | | Field board | 1 no. | 275 | | | | |
| Total | | | | | | | | | | | | | 1,71,400 | |

| Cluster FLD under NFSM Scheme | | | | | | | | | | | |
|-------------------------------|--------|------------|--|---|---------|-----------|-----------|--|----|-------|---|
| S.N | Crop | | Problem | Title | | Var/Hyb | Source | Inputs | | | |
| 1 | Pulses | Green gram | Less yield due to use of traditional or old green gram variety (ADT 3) Poor germination in local market seed . No awareness about new high yielding and pest and diseases resistance varieties | ICM in Green gram | Variety | CO (Gg) 8 | TNAU 2013 | CO (Gg) 8 Greengram Seed @20 kg/ha Pulse wonder 5kg/ha (Two time spray) Phosphobacteria 2.5 kg/ha Rhizobium 2.5 kg/ha Use of Pheromone traps, release of <i>Trichogramma</i> | 30 | 90000 | SMS – Agron, SS, Agrl.Extn, Horti, HSc, PAT |
| 2 | Pulses | Black gram | Low yield due to high pest and diseases infection. No awareness about pest and diseases resistant varieties. | YMV (Yellow mosaic virus) resistant black gram VBN (Bg) - 8 | Variety | VBN 8 | TNAU 2015 | VBN 8 Black gram Seed @20 kg/ha Seed treatment with bio fertilizers, Pulse wonder spray and Use of Pheromone traps, release of <i>Trichogramma</i> | 30 | 90000 | SMS – Agron, SS, Agrl.Extn, Horti, HSc, PAT |

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|---------------------------------------|----------|------------|--|---|---------|-----------|------|---|----|---------------|---|
| 3 | Pulses | Redgram | Low yield due to use of traditional Red gram variety. Poor nutrient management No awareness about pest and diseases resistant and new high yielding varieties. | Improve d crop manage ment in Redgram CO (Rg) 7 | Variety | CO (Rg) 7 | TNAU | Redgram Co (Rg) 7 @ 15kg/ha Seed treatment with bio fertilizers, Soil test based fertilizer application and Pulse wonder spray, use of pheromone traps, release of <i>Trichogramma H. armigera</i> Pheromone trap 20 per ha | 30 | 150000 | SMS – Agron, SS, Agrl.Extn, Horti, HSc, PAT |
| Total | | | | | | | | | | 330000 | |
| Cluster FLD under NMOOP Scheme | | | | | | | | | | | |
| 1 | Oilseeds | Ground nut | Less yield due to use of traditional or old ground nut variety (TMV 7) No awareness about new high yielding and pest and diseases resistance varieties Poor germination in local market seed low yield due to poor nutrient management | ICM in groundnut | Variety | CO 7 | TNAU | Co-7 Use of bio fertilizers, Micronutrients, Groundnut rich spray and Use of Pheromone traps | 30 | 150000 | SMS – Agron, SS, Agrl.Extn, Horti, HSc, PAT |

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|--------------|----------|-----------|---|------------------|------|---|------|---|----|---------------|--|
| 2 | Oilseeds | Sunflower | Low yield due to poor nutrient management | INM in sunflower | CO 2 | - | TNAU | Co-2 hybrid Soil test based fertilizer application, Use of bio fertilizers, Micro nutrient, IPM techniques | 30 | 150000 | SMS – Agron, SS, Agri. Extn, Horti, HSc, PAT |
| Total | | | | | | | | | | 300000 | |

9. Training for Farmers/ Farm Women during 2016-17

| S. No. | Thematic area | Crop / Enterprises | Major problem | Linked field intervention (Assessment /Refinement /FLD)* | Training Course Title** | No. of Courses | Expected No. of participants | Names of the team members involved |
|--------|---------------|--------------------|--|--|---|----------------|------------------------------|------------------------------------|
| 9.1 | Mechanization | Paddy | Drudgery reduction in farm men and women for Transplanting, weeding and harvesting | OFT | Mechanization in paddy cultivation | 1 | 20 | SMS- Agron, HSc, Extn |
| 9.2 | Mechanization | Banana | Low Price and high cost of production | FLD | Banana production technology under High density planting system with intercropping vegetables | 2 | 40 | SS&H SMS - Horti PAT, PAC |
| 9.3 | ICM | Paddy | Low yield | FLD | ICM in Paddy cultivation | 3 | 60 | SMS – Agri.Extn, Agronomy, SS&H |
| 9.4 | ICM | Bajra | Low yield | FLD | ICM in Bajra cultivation | 2 | 40 | SMS – Agri.Extn, Agronomy |

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| 9.5 | ICM | Blackgram | Low yield | - | Cultivation aspects for Blackgram | 2 | 40 | SMS – Agrl.Extn, Agronomy |
| 9.6 | ICM | Paddy | Less yield due to use of high pest and disease incidence variety and poor nutrient management | FLD and OFT | Improved crop management in paddy | 2 | 20 | SMS (Agron), SS&H, Extn, SMS (Extn), SS |
| 9.7 | ICM | Sorghum (Jowar) | Poor quality of seed, cultivation practices and Moisture Stress and use of traditional sorghum variety | FLD | Improved crop management in Jowar and drought management practices. | 1 | 20 | SMS(Agron), SS&H,SMS (Extn), SS |
| 9.8 | ICM | Groundnut | Poor germination use of local market seeds and lack of knowledge about ICM practices | OFT and FLD | Integrated crop management in groundnut | 2 | 20 | SMS(Agron), SS&H,SMS (Extn), SS |
| 9.9 | ICM | Banana | Low yield and micro nutrient deficiency | - | Integrated Nutrient Management in banana | 2 | 40 | SS&H SMS - Horti, SS PAT, PAC |
| 9.10 | ICM | Ixora | Low yield due to micronutrient deficiency | - | Integrated Nutrient Management in Ixora | 2 | 40 | SS&H SMS - Horti, SS PAT, PAC |
| 9.11 | ICM | Jasmine | Low yield, Off season flowering techniques and micronutrient deficiency | FLD | Proper pruning techniques increase the flower yield | 2 | 50 | SS&H SMS - Horti,PAT, PAC |
| 9.12 | ICM | Tapioca | Conventional production technology, Nutrient management | FLD | Advanced production technology in Tapioca | 2 | 40 | SS&H SMS - Horti, PAT, PAC |
| 9.13 | ICM | Sweet potato | Conventional production technology | - | Advanced production technology in Sweet potato | 2 | 50 | SS&H SMS - Horti, PAT, PAC |

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| 9.14 | ICM | Drumstick | Improper pruning techniques, value addition | - | Pruning techniques in Drumstick | 2 | 50 | SS&H SMS - Horti, PAT, PAC |
| 9.15 | ICM | Vegetables | High cost of seed and low population per unit area | - | Production of vegetable seedling in protray method | 2 | 40 | SS&H, SMS - Horti, PAT, PAC |
| 9.16 | ICM | Bhendi | Low yield due to micronutrient deficiency and High incidence of YMV. | FLD | Integrated crop Management in Bhendi | 2 | 40 | SS&H SMS - Horti, PAT, PAC |
| 9.17 | ICM | Chilli | Low yield due to micronutrient deficiency, pest and disease infection reduce yield | FLD | Integrated Nutrient Management in Chillies | 2 | 40 | SS&H SMS - Horti, PAT, PAC |
| 9.18 | ICM | Onion | Intercropping in banana field. High incidence of onion thrips | FLD | Integrated Crop Management in Onion | 2 | 40 | SS&H SMS - Horti, PAT, PAC |
| 9.19 | INM | Coconut | Low nut yield due to high incidence of Rhinoceros beetle with micro nutrient deficiency | FLD | Integrated Nutrient Management in Coconut | 2 | 40 | SS&H SMS - Horti, PAT, PAC |
| 9.20 | INM | Brinjal | Low yield and micronutrient deficiency | - | Integrated Nutrient Management in brinjal | 2 | 40 | SS&H SMS - Horti, SS PAT, PAC |
| 9.21 | INM | Black gram | Low yield due to use of less yield variety, poor germination and YMV incidence is high | FLD | ICM in Blackgram | 2 | 20 | SMS(Agron), SS&H,SMS (Extn), SS |
| 9.22 | INM | Redgram | Poor pod setting and less yield | FLD | ICM in Redgram | 1 | 20 | SMS(Agron), SS&H,SMS (Extn), SS |
| 9.23 | INM | Sunflower | Poor nutrient management | FLD | INM in sunflower | 1 | 25 | PAT , SMS(Agron), SS&H,SMS (Extn), SS |

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|------|----------------------|----------------|---|-----|--|---|----|---------------------------------------|
| 9.24 | INM | Paddy | Lack of awareness about nutrient management | | INM in Paddy | 1 | 25 | PAT , SMS(Agron), SS&H,SMS (Extn), SS |
| 9.25 | IPM | Coconut | Low nut yield due to high incidence of Rhinoceros beetle | - | Integrated pest Management in Coconut | 2 | 40 | SS&H SMS - Horti, |
| 9.26 | Animal Nutrition | Dairy | Feeding of race gruels causes low productive reproductive performance | - | Prevention of metabolic disease in dairy cows to improve performance | 2 | 40 | SS&H, SMS-AE, PAT, PAC |
| 9.27 | Breeding Management | Small ruminant | Poor knowledge on Cross breeding in goats | - | Importance of crossbreeding programme to gain body weight | 2 | 50 | SS&H, SMS-AE, PAT, PAC |
| 9.28 | Breeding Management | Small ruminant | Poor knowledge on reproduction in goats | - | Reproductive management in goats | 2 | 50 | SS&H, SMS-AE, PAT, PAC |
| 9.29 | Disease Management | Dairy | Cost effective treatments, side effects and unavailability of vets | - | Ethnovet treatment for dairy cows | 1 | 25 | SS&H, SMS-HSc, PAT, PAC |
| 9.30 | Poultry Nutrition | Poultry | Lack of knowledge in feeding | FLD | Feeding ration for Desi birds to increase weight | 1 | 25 | SS&H, SMS-AE, PAT, PAC |
| 9.31 | Management practices | Dairy | Unhygienic practices during milking | - | Hygienic milk production | 2 | 50 | SS&H, SMS-HSc, PAT, PAC |

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| 9.32 | Marketing | Poultry | Lack of knowledge in marketing | FLD | Rearing and marketing of Desi birds | 1 | 25 | SS&H, SMS-AE, PAT, PAC |
| 9.33 | Breeding Management | Small ruminant | Poor knowledge on reproduction in sheep | - | Reproductive and general health management in sheep | 2 | 50 | SS&H, SMS-AE, PAT, PAC |
| 9.34 | Poultry Nutrition | Poultry | High cost involving in feeding practices for poultry | - | unconventional feeding for Desi birds to increase weight | 1 | 25 | SS&H, SMS-AE, PAT, PAC |
| 9.35 | Fodder production | Fodder | Poor knowledge on fodder production in livestock | FLD | Fodder production for dairy cows | 2 | 50 | SS&H, SMS-HSc, SMS – Agronomy, PAT, PAC |
| 9.36 | Disease Management | Small ruminant | Poor knowledge on disease prevention in goats | FLD | Disease prevention and control in goats | 1 | 25 | SS&H, SMS-AE, PAT, PAC |
| 9.37 | Disease Management | Small ruminant | Cost effective treatments, side effects and unavailability of vets | - | Ethnovet treatment for goats | 2 | 50 | SS&H, SMS-AE, PAT, PAC |
| 9.38 | Animal Nutrition | Sheep | Poor nutrient management for young sheep leading to poor weight gain in lamb | - | Importance of Flushing in sheep | 1 | 25 | SS&H, PAT, PAC |
| 9.39 | Home Science | Vegetables | Uses of Inorganic pesticide Inadequate space in and around house due to urbanization | - | Nutritional importance of fruits and vegetables | 2 | 40 | SMS(HSC) SMS(Horti),SMS(EX TN) |

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|------|---------------------------|-----------------|---|-----|---|---|----|--|
| 9.40 | Home Science | Vegetables | Inorganic pesticide residues in fruits and vegetables purchased from market | FLD | Health benefits of fruits and vegetables | 2 | 40 | SMS(HSC) SMS(Horti),SMS(EXTN) |
| 9.41 | Home Science | Millets | Low income for household Lack of knowledge about millets value additions and package | - | Value addition in millets | 1 | 15 | SMS(HSC)SMS(AGR), SMS(EXTN) |
| 9.42 | Home Science | Pulses | Low income Lack of pulse processing techniques/ knowledge | - | Value addition in millets and its importance | 1 | 25 | SMS(HSC)SMS(AGR), SMS(EXTN) |
| 9.43 | Home Science | Fruits | Low income, Under utilization, Low sealing price during season | - | Minimal processing in banana flower | 2 | 40 | SMS(HSC) SMS(Horti),SMS(EXTN) |
| 9.44 | Home Science | Smokeless Chula | More smoke More expenses for fuel More expenses for fuel | - | Performance of smokeless chulas in rural population | 2 | 40 | SMS(HSC) SMS(EXTN) |
| 9.45 | Home Science | Milk | Low income for household Lack of knowledge about milks value additions and packaging | | Milk value addition ,packaging and labeling | 1 | 20 | SMS(HSC)SMS(ASC), SMS(EXTN) |
| 9.46 | Soil Health and Fertility | | Low soil fertility Low crop yield due to problem soil | | Reclamation of problematic soil | 2 | 40 | PAT , SMS(Agron), SS&H,SMS (Extn), SS |
| 9.47 | Soil Health and Fertility | | Low soil fertility and lack of awareness of soil testing | | Methods of soil sampling | 2 | 40 | PAT , SMS(Agron), SS&H,SMS (Extn), SS |

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|------|-------------------|-----------|---|--|--------------------------|---|----|----------------------|
| 9.48 | Marketing aspects | All crops | Low profit due to Lack of awareness about different markets | | DEMIC in Agritech portal | 2 | 40 | SMS - Agrl.Extn, PAT |
|------|-------------------|-----------|---|--|--------------------------|---|----|----------------------|

10. Training for Rural Youth during 2016-17

| S. 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 | Paddy | Low yield due to use of poor quality seeds and improper crop and nutrient management | FLD | SRI and improved crop management practices in paddy | 1 | 15 | SMS(Agron), SS&H,SMS (Extn), SS |
| | Crop Production | Sorghum | Low yield due to non availability of high yielding variety | FLD | Sorghum seed treatment and transplanting techniques | 1 | 15 | SMS(Agron), SS&H,SMS (Extn), SS |
| | Crop Production | Black gram | Poor germination and use of traditional variety | FLD | ICM in Black gram | 1 | 15 | SMS(Agron), SS&H,SMS (Extn), SS |
| | Farm Mechanization | Paddy | Labour scarcity for transplanting and weeding and Delayed farm operation results in reduction of yield | FLD | Mechanization of paddy cultivation and importance of farm machinery in agricultural crops | 1 | 15 | SMS(Agron), SS&H,SMS (Extn), SS |
| 10.2 | Horticulture | | | | | | | |
| | Horticulture | Horticulture crops | Labour scarcity and less usage machinery results in reduction of yield | - | Importance of farm machinery in Horticultural crop production and its maintenance | 2 | 50 | SS&H SMS - Horti PAT, PAC |

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|------|-----------------------------|--------------------------|---|-----|--|---|----|------------------------------------|
| | Cultivation techniques | Vegetables | Multiplication of quality vegetable seedlings | - | Importance of protected cultivation techniques for cultivation of vegetable seedling production using portray. | 2 | 50 | SS&H SMS - Horti PAT, PAC |
| 10.3 | Livestock Production | Small ruminant | Cost effective treatments, side effects and unavailability of vets | - | Ethnovet treatment for goats | 2 | 50 | SS&H, SMS-AE, PAT, PAC |
| 10.4 | Home Science | Vegetables | Uses of Inorganic pesticide Lack of awareness about importance of fruits and vegetables in their daily diet in school children | FLD | Nutritional importance of vegetables | 2 | 20 | SMS(HSC) SMS(Horti),SMS(EXTN) |
| | Value addition | Fruits | Low income, Under utilization, Low sealing price during season | - | Minimal processing in banana flower | 2 | 40 | SMS(HSC) SMS(Horti),SMS(EXTN) |
| | Value addition | Pulses | Low income, Under utilization | - | pulse value addition and its organoleptic importance | 2 | 40 | SMS(HSC)SMS(AGR),SMS(EXTN) |
| | | | | | | | | |
| 10.5 | Plant Protection | Chillies | Wilt, mites, thrips incidence | FLD | Integrated Pest and disease Management in chillies | 2 | 40 | FM,SS& H, SMS (Extn), SMS (Hori). |
| | Plant Protection | Cucurbitaceous vegetable | Incidence in powdery mildew, mosaic, fruitfly and hoppers | FLD | Integrated Pest and disease Management in Cucurbitaceous | 1 | 15 | FM, SS& H, SMS (Extn), SMS (Hori). |

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|--|------------------|------------|---|-----|--|---|----|--|
| | | | | | vegetable | | | |
| | Plant Protection | Coconut | Incidence in Wilt, rhinoceros beetle, red palm weevil, BHC | | Integrated Pest and disease Management in Coconut | 2 | 30 | FM, SS& H, SMS (Extn), SMS (Hori). SMS (SS). |
| | Plant Protection | Ground nut | Bud necrosis, wilt, leaf minor, <i>Spodoptera</i> incidence | | Ecological engineering Pest and disease Management in Ground nut | 1 | 15 | FM, SS& H, SMS (Extn), SMS (Hori). |
| | Plant Protection | Brinjal | Shoot and fruit borer, little leaf of brinjal, wilt | | Ecological engineering Pest and disease Management in Brinjal | 2 | 30 | FM, SS& H, SMS (Extn), SMS (Hori). |
| | Plant Protection | Jasmine | Bud worm, red spider mite, leaf webber incidence | | Integrated Pest and disease Management in Jasmine | 1 | 15 | FM, S SS& H, MS (Extn), SMS (Hori). |
| | Plant Protection | Paddy | Stem borer, leaf folder, thrips, BLB, Blast | | Integrated Pest and disease Management in Paddy | 2 | 30 | FM, SS& H, SMS (Extn), SMS (Hori). |
| | Plant Protection | Ixora | Bud worm, red spider mite, leaf webber incidence | | Integrated Pest and disease Management in Ixora | 1 | 15 | FM, SS& H, SMS (Extn), SMS (Hori). |
| | Plant Protection | Tapioca | Mosaic and mealy bug incidence | FLD | Integrated Pest and disease Management in Tapioca | 1 | 15 | FM, SS, SMS (Extn), SMS (Hori). |
| | Plant Protection | Sesame | Rot, pod borer, webber incidence | | Integrated Pest and disease Management in Sesame | 1 | 15 | SS, FM, SMS (Extn) |
| | Plant Protection | Drumstick | Leaf Webber, fruitfly, Hairy caterpillar incidence | FLD | Ecological engineering Pest and disease Management in Drumstick | 1 | 15 | SS, FM, SMS (Hort) |

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|--|-------------------|-----------|---|--|--------------------------|---|----|----------------------|
| | Marketing aspects | All crops | Low profit due to Lack of awareness about different markets | | DEMIC in Agritech portal | 2 | 40 | SMS - Agrl.Extn, PAT |
|--|-------------------|-----------|---|--|--------------------------|---|----|----------------------|

11. Trainings for Extension Personnel during 2016-17

| S. No. | Thematic area | Training Course Title** | No. of Courses | Expected No. of participants | Names of the team members involved |
|--------|--------------------------------------|---|----------------|------------------------------|------------------------------------|
| 11.1 | Crop Production | | | | |
| | Cereals | Advance crop production technology in paddy and sorghum | 4 | 60 | SMS(Agron), SS&H,SMS (Extn), SS |
| | Pulses | Recent pulse production and yield improvement practice in all pulses | 2 | 40 | SMS(Agron), SS&H,SMS (Extn), SS |
| | Oil seeds | Improved crop management in oilseeds crops | 2 | 40 | SMS(Agron), SS&H,SMS (Extn), SS |
| 11.2 | Home Science | Post harvest techniques for value addition in fruits | 1 | 15 | SMS(HSC) , SMS - Horti |
| | Home Science | Millets and its health benefits, value addition | 1 | 20 | SMS(HSC) |
| | Home Science | Nutrition garden and its importance | 1 | 15 | SMS(HSC) ,SMS - Horti |
| 11.3 | Capacity Building and Group Dynamics | | | | |
| 11.4 | Horticulture | | | | |
| | Micro irrigation | The scientific way to design fertigation techniques and its maintenance | 2 | 40 | SS&H SMS - Horti PAT, PAC |
| 11.5 | Livestock Production & | | | | |

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|------|--------------------------------------|--|---|----|----------------------|
| | Management | | | | |
| 11.6 | Plant Protection | | | | |
| 11.7 | Capacity Building and Group Dynamics | Importance and Maintenance of Commodity Groups | 2 | 40 | SMS - Agrl.Extn, PAT |

12. Vocational trainings during 2016-17

| S. 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 |
|--------|---|---|---------------------------------------|--|------------------------------|--------------------------|--|
| 12.1 | Crop Production | Recent technology in pulses production | 1 (3 days) | Farm men and women, Youth | 20 | KVK | SMS(Agron), SS&H,SMS (Extn), SS |
| | Crop Production | Advanced technologies in Vegetable cultivation | 6 | Women, Youth | 50 | IOB, RSETI | SS&H , SMS - Horti, HSc, PAT, PAC |
| | Soil fertility improvement | Organic inputs production technologies (Panchakavya, Jeeva amirtham, Fish amino acid etc.,) | 1 (3 days) | Youth and Farm women | 20 | KVK | SMS(Agron), SS&H,SMS (Extn), SS |
| | Soil fertility improvement | Vermicompost and azolla production techniques | 1 (3 days) | Youth and Women | 20 | KVK | SMS(Agron), SS&H,SMS (Extn), SS |
| | Pest and diseases management | Production and application of natural pesticides | 2 | Youth | 20 | KVK | FM, SS&H, SMS Agronomy, SMS Extn, SMS Hori. SMS SS |
| | Scientific Management in Small ruminant | Scientific goat farming | 1 (3 days) | Farmers and farm women's | 25 | KVK | SMS Asc, SMS AE & PAC |
| | Swine | Piggery farming | 1 (3 days) | Farmers and | 25 | KVK | SMS Asc, SMS AE & |

| | | | | | | | |
|------|--------------------|---|------------|--------------------------|----|-----|-----------------------|
| | | | | farm women's | | | PAC |
| | Hatchery / Poultry | Small scale hatchery management | 1 (3 days) | Farmers and farm women's | 25 | KVK | SMS Asc, SMS AE & PAC |
| 12.2 | Home Science | | | | | | |
| | Nutrition | Preparation techniques of iron and calcium rich food products | 1(2days) | SHG s, School students | 20 | KVK | SMS(HSc),SMS(EXT N) |
| | Value Addition | Value addition in pulses and millets | 2(2days) | SHG s ,farm women | 25 | KVK | SMS(HSc),SMS(EXT N) |
| | Garment making | Interior decoration using unused garments | 2(2days) | SHG s | 15 | KVK | SMS(HSc),SMS(EXT N) |

13. Sponsored trainings during 2016-17

| S. No. | Thematic area and the Crop/Enterprise | Training title* | No. of programmes and Duration (days) | Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.) | Expected No. of participants | Sponsoring agency | Names of the team members involved |
|--------|---------------------------------------|---|---------------------------------------|--|------------------------------|-------------------|------------------------------------|
| 13.1 | Crop Production | Recent technologies in Vegetable cultivation | 6 Days | Women, Youth | 50 | IOB, RSETI | SS&H , SMS - Horti, HSc, PAT, PAC |
| | Employment generation | Recent technologies in commercial Flowers cultivation | 6 Days | Women, Youth | 50 | IOB, RSETI | SS&H , SMS - Horti, HSc, PAT, PAC |
| 13.2 | Home Science | Mushroom cultivation | 1(3 Days) | SHGs | 15 | IOB-RSETI | SMS(HSC) |
| | Value addition | - | - | - | - | - | - |
| 13.3 | Plant Protection | - | - | - | - | - | - |
| | Bio control agents | - | - | - | - | - | - |
| | Apiculture | Profitable production of honey | 1 (6days) | Youth and SHGs | 30 | IOB RSETI | FM, SS, SMS - Agrl.Extn., |

| | | | | | | | |
|------|--------------------------------------|-------------------|---|--------------------------|----|------|-------------------|
| 13.4 | Livestock | Dairy farming | 1 | Farmers and farm woman's | 40 | ATMA | SMS Asc & PAT Lab |
| | Scientific management | Goat farming | 1 | Farmers and farm woman's | 40 | ATMA | SMS Asc & PAT Lab |
| | Feed Management | Desi bird rearing | 2 | Farmers and farm woman's | 40 | ATMA | SMS Asc & PAT Lab |
| 13.5 | Capacity Building and Group Dynamics | - | - | - | - | - | - |

14. Extension programmes during 2016-17

| S. No. | Extension programme* | No. of programmes or activities | Expected No. of participants | Names of the team members involved |
|--------|---------------------------------------|---------------------------------|------------------------------|---|
| 14.1 | Advisory Services | 575 | 885 | SS&H , SMS - Agrl.Extn., Agron., ASc ,HSC, Horti, PAT |
| 14.2 | Diagnostic visits | 45 | 65 | SS&H , SMS Agron, Hort, ASc |
| 14.3 | Field Day | 8 | 400 | SS&H , SMS - Agrl.Extn., Agron.,HSC, ASc, Horti, PAT |
| 14.4 | Group discussions | 18 | 270 | SS&H , SMS - Agrl.Extn., ASc, Agron.,HSC, Horti, PAT |
| 14.5 | Film Show | 4 | 125 | SS&H , SMS - Agrl.Extn., PAT,PAC |
| 14.6 | Self -help groups | 5 | 125 | SMS – HSc, ASc |
| 14.7 | Exhibition | 3 | 1500 | SS&H , SMS - Agrl.Extn., ASc, Agron.,HSC, Horti, PAT |
| 14.8 | Scientists' visit to farmers field | 12 | 30 | SS&H , SMS - Agrl.Extn., ASc, Agron.,HSC, Horti, PAT |
| 14.9 | Plant/Soil health/Animal health camps | 8 | 560 | SMS - ASC, PAT |
| 14.10 | Farm Science Club Meetings | 12 | 180 | SS&H , SMS - Agrl.Extn., Agron., ASc ,HSC, Horti, PAT |

| | | | | |
|-------|-------------------------------|----|-----|--|
| 14.11 | Method Demonstrations | 20 | 400 | SS&H , SMS - Agrl.Extn.Agron.,HSC, ASc ,Horti, PAT |
| 14.12 | Celebration of important days | 4 | 300 | SS&H , SMS - Agrl.Extn.Agron.,HSC, ASc, Horti, PAT |
| 14.13 | Exposure visits | 3 | 90 | SS&H , SMS - Agrl.Extn.Agron.,HSC, ASc, Horti, PAT |
| 14.14 | R-E-F Linkage | 7 | 210 | SS&H , SMS - Agrl.Extn.Agron.,HSC, Horti, ASc, PAT |

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

15.1 Technological knowledge

| S. No. | Category | Details of technologies | Area (ha)/ No's | Names of the team members involved |
|--------|---------------------------------|-------------------------|-----------------|------------------------------------|
| 15.1.1 | Technology Park/ Crop cafeteria | | | |
| 15.1.2 | Demonstration Units | Fodder cafeteria | 0.5 | SMS Asc,Agron. Farm manager |
| 15.1.3 | Lab Analytical services | | | |

15.2 Technological Products

| S. No. | Category | Name of the Production Partner Agency, if any | Name of the product | Quantity (Qtl.) / Number planned to be produced during 2016-17 | Names of the team members involved |
|--------|---------------------------|---|---------------------|--|------------------------------------|
| 15.2.1 | Seeds | KVK | COFS 29 | 0.50 | FM, SMS Agronomy |
| | | KVK | Desmanthus | 0.25 | FM, SMS Agronomy |
| | | KVK | Drumstick | 0.01 | FM, SMS Agronomy |
| | | KVK | Paddy | 150 | FM, SMS Agronomy |
| | | KVK | Traditional rice | 10 | FM, SMS Agronomy |
| 15.2.2 | Planting materials | - | | | |
| | | KVK | Brinjal | 200000 | FM, SMS Hori |

| | | | | | |
|--------|--------------------------|-----|--------------------------------|--------|-----------------------|
| | | KVK | CO4 | 7500 | FM |
| | | KVK | CO5 | 52000 | FM |
| 15.2.3 | Bio-products | | | | |
| | | KVK | Azolla | 500 | FM, SMS Agronomy |
| | | KVK | Vermicompost | 50 | FM, SMS Agronomy |
| | Bio control agent | KVK | <i>Pseudomonas fluorescens</i> | 500 kg | PAT, SMS Agronomy& FM |
| | | KVK | <i>T.viride</i> | 500 kg | PAT, SMS Agronomy& FM |
| | MN mixture | KVK | | | |

15.3 Technological Information

| | Category | Technological capsules / Number | Names of the team members involved |
|--------|---|---|------------------------------------|
| 15.3.1 | Technology backstopping to line departments | - | - |
| 15.3.2 | Literature/publication | Booklet(100 copies)- fruits and vegetable products | SS&H, SMS(HSc) |
| | | Folders (1000copies) SWACHH Bharat, value addition | SS&H, SMS(HSc) |
| 15.3.4 | Electronic Media | | |
| 15.3.5 | Kisan Mobile Advisory Services | | |

16. Additional Activities Planned during 2016-17

| S. No. | Name of the agency / scheme | Name of activity | Technical programme with quantification | Financial outlay (Rs.) | Names of the team members involved |
|--------|--|---|---|------------------------|------------------------------------|
| 16.1 | Promotion of Farmer Producer Organization (POPI) | Formation of Farmer Producer Organization | Attached | 27,18,000 | SS&H,SMS-Agrl.Extn, Agro, Horti,FM |

17. Revolving Fund

17.1 Financial status

| Opening balance as on 01.04.2015 (Rs. in Lakh) | Expenditure incurred during 2015-16 (Rs.in Lakh) | Receipts during 2015-16 (Rs.in Lakh) | Closing balance as on 31.01.2016 (Rs.in Lakh) | Expected closing balance by 31.01.2016 (Including value of material in stock)(Rs in Lakh) |
|--|--|---|---|--|
| 3.68368 | 6.19172 | 6.31351 | 380547 | 6.11587 |

17.2 Plan of activities under Revolving Fund

| S. No. | Proposed activities | Expected output | Anticipated income (Rs.) | Names of the team members involved |
|--------|------------------------|-----------------|--------------------------|------------------------------------|
| 17.2.1 | Paddy | 50 quintal | 750000 | FM, SMS Agronomy |
| 17.2.2 | Vermicompost | 40 quintal | 32000 | FM, SMS Agronomy |
| 17.2.3 | Plant propagation unit | 25000 seedlings | 12500 | FM, SMS Hori |
| 17.2.4 | Azolla | 5 quintal | 20000 | FM, SMS Agronomy |
| 17.2.5 | CO5 | 60000 setts | 30000 | FM, SMS Agronomy |

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

| S. No. | Type | No. of samples to be analyzed | Names of the team members involved |
|--------|-------|-------------------------------|------------------------------------|
| 18.1 | Soil | 1500 | PAT, SMS (SS) |
| 18.2 | Water | 100 | PAT, SMS (SS) |
| 18.3 | Plant | 50 | PAT, SMS (Agronomy)& SS&H |

19. E-linkage during 2016-17

| S. No | Nature of activities | Likely period of completion (please set the time frame) | Remarks if any |
|-------|--|--|----------------|
| 19.1 | Title of the technology module to be prepared | - | - |
| 19.2 | Creation and maintenance of relevant database system for KVK | Created and updated | - |

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

21. Innovative Farmer's Meet

| S. No. | Particulars | Details |
|--------|--|---------|
| 21.1 | Are you planning for conducting Farm Innovators meet in your district? | No |
| 21.2 | If Yes likely month of the meet | - |
| 21.3 | Brief action plan in this regard | - |

22. Farmer's Field School planned

| S. No | Thematic area | Title of the FFS | Budget proposed in Rs. |
|-------|---------------------------------|--------------------------|------------------------|
| 22.1 | Scientific Farming In Livestock | Scientific Dairy Farming | 30000 |

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

| S. No. | Particulars | Sanctioned | Released | Expenditure |
|-------------|--|---------------|----------------|---------------|
| 23.1 | Recurring Contingencies | | | |
| 23.1.1 | Pay & Allowances | 9181000 | 7441200 | 6628757 |
| 23.1.2 | Traveling allowances | 100000 | | 91254 |
| 23.1.3 | Contingencies | | | |
| 23.1.4. | Stationery, telephone, postage and other expenditure on office | 75000 | | 154987 |
| <i>a</i> | running, publication of Newsletter and library maintenance | | | |
| <i>B</i> | POL, repair of vehicles, tractor and equipments | 100000 | | 112124 |
| <i>C</i> | Meals/refreshment for trainees | 50000 | | 39380 |
| <i>D</i> | Training material | 48000 | | 15007 |
| <i>E</i> | Frontline demonstration except oilseeds and pulses | 190000 | | 147662 |
| <i>F</i> | On farm testing | 52000 | | 37886 |
| <i>G</i> | Training of extension functionaries | 0 | | 0 |
| <i>H</i> | Maintenance of buildings | 0 | | 0 |
| <i>I</i> | Extension Activity | 50000 | | 39382 |
| <i>J</i> | Establishment of Soil, Plant & Water Testing Laboratory | 0 | | 0 |
| <i>k</i> | Library | 5000 | | 4370 |
| <i>l</i> | Farmers Field School | 30000 | 15359 | |
| <i>m</i> | Special Programme | 50000 | 29149 | |
| 23.1 | Total Recurring | 650000 | 7441200 | 595306 |
| 23.2 | Non-Recurring Contingencies | 0 | 0 | 0 |

| | | | | |
|-------------|---|----------------|----------------|----------------|
| 23.2.1 | Works | 0 | 0 | 0 |
| 23.2.2 | Equipments including SWTL & Furniture | 0 | 0 | 0 |
| 23.2.3 | Vehicle (Four wheeler/Two wheeler, please specify) | 0 | 0 | 0 |
| 23.2.4 | Library | 0 | 0 | 0 |
| 23.2 | Total Non Recurring | 0 | 0 | 0 |
| 23.3 | REVOLVING FUND | 0 | 0 | 0 |
| 23.4 | GRAND TOTAL (A+B+C) | 9931000 | 7441200 | 7315317 |

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

| S. No. | Particulars | BE 2016 -17 proposed (Rs.) |
|-------------|--|-------------------------------|
| 24.1 | Recurring Contingencies | |
| 24.1.1 | Pay & Allowances | 9800000 |
| 24.1.2 | Traveling allowances | 250000 |
| 24.1.3 | Contingencies | |
| <i>a</i> | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 350000 |
| <i>b</i> | POL, repair of vehicles, tractor and equipments | 300000 |
| <i>c</i> | Meals/refreshment for trainees (ceiling up to Rs.40/day/trainee be maintained) | 80000 |
| <i>d</i> | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 750000 |
| <i>e</i> | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 171400 |
| <i>f</i> | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 44150 |
| <i>g</i> | Training of extension functionaries | 25000 |
| <i>h</i> | Maintenance of buildings | 50000 |
| <i>i</i> | Extension Activity | 150000 |
| <i>j</i> | Establishment of Soil, Plant & Water Testing Laboratory | |
| <i>k</i> | Library | 5000 |
| <i>l</i> | Farmers Field School | 30000 |

| | | |
|-------------|--|-----------------|
| <i>m</i> | Special Programme (Entrepreneurship development among SHGs through value addition, branding and marketing for income generation) | 50000 |
| <i>n</i> | Integrated Farming System | 50000 |
| <i>o</i> | Cluster Front line Demonstrations | 630000 |
| 24.1 | TOTAL Recurring Contingencies | 12735550 |
| 24.2 | Non-Recurring Contingencies | |
| 24.2.1 | Works | |
| a | Administrative Building (250sqm) | 5000000 |
| b | Minimal Processing Unit | 1500000 |
| c | Land leveling | 300000 |
| d | Road formation | 1000000 |
| e | Irrigation System | 500000 |
| f | ATIC Agriculture Technology Information | 800000 |
| g | Integrated Farming System (IFS) | 600000 |
| 24.2.2 | Equipments including SWTL & Furniture | |
| a | IT Components | 200000 |
| b | Office Automation | 600000 |
| c | Farmers Hostel Furniture | 200000 |
| d | Lab Equipments | 200000 |
| e | Pump set 10 Hp | |
| f | Water Tanker | 60000 |
| g | Mobile Sprinkler | 60000 |
| h | Rain Gun | 200000 |
| i | Agrimate Sprayer | 35000 |
| j | Manual Transplanter | 20000 |
| k | Video conferencing | 300000 |
| l | Office Furniture | 200000 |
| m | Rotavator | 50000 |
| n | Tractor With Implements | 410000 |
| o | Mini Tractor | 250000 |
| p | Silent Generator – 25 KVA | 500000 |
| 24.2.3 | Vehicle (Four wheeler/Two wheeler, please specify) | |
| a | Bolero Jeep - (Four Wheeler) | 800000 |

| | | |
|-------------|---|-----------------|
| b | Honda Activa – (Two Wheeler) | 65000 |
| 24.2.4 | Library (Purchase of assets like books & journals) | 10000 |
| 24.2 | TOTAL Non-Recurring Contingencies | 13860000 |
| 24.3 | REVOLVING FUND | 0 |
| 24.4 | GRAND TOTAL | 26595550 |

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Targets of mandated activities for the Year 2016-17

KVK Name : ICAR KVK, Karur

| S. No. | Activities | Target (Number) |
|--------|---------------------------------|-----------------|
| 1 | On- farm trials | |
| a | No. of technologies | 2 |
| b | No of Trials | 10 |
| 2 | Frontline Demonstrations | |
| a | No. of technologies | 16 |
| b | No of Demonstrations | 139 |
| 3 | Training of Farmers | |
| a | No of Courses | 83 |
| b | No of Participants | 1730 |
| 4 | Training of Rural Youth | |
| a | No of Courses | 33 |
| b | No of Participants | 585 |
| 5 | Training of Extension Personnel | |
| a | No of Courses | 15 |
| b | No of Participants | 270 |
| 6 | Vocational Training | |
| a | No of Courses | 14 |
| b | No of Participants | 265 |
| 7 | Sponsored Training | |

| | | | |
|--|---|---|---------|
| | a | No of Courses | 8 |
| | b | No of Participants | 265 |
| 8 | | Paid Training | |
| | a | No of Courses | 5 |
| | b | No of Participants | 500 |
| 9 | | Extension activities | |
| | a | No of Programs | 724 |
| | b | No of Participants | 5140 |
| 10 | | Technology Products : Seed – (Kgs) | 16000 |
| 11 | | Technology Products : Planting material – (Nos) | 259,500 |
| 12 | | Technology Products : Bio-products | |
| | a | Kgs | 1,550 |
| | b | Nos | |
| 13 | | Technology Products : Live-stock strains(Animals) - (Nos) | |
| 14 | | Technology Products : Live-stock strains (Poultry) - (Nos) | 1000 |
| 15 | | Technology Products : Live-stock strains (Fish fingerlings) - (Nos) | |
| 16 | | Kisan Mobile Advisory (KMA) | |
| | a | No of Messages | 180 |
| | b | No of farmers | 4000 |
| 17 | | Soil and Water Testing Laboratory (SWTL) - (No of samples) | 3,000 |
| 18 | | Expected Closing Balance of Revolving Fund on 31.3.2017 – (Rs.) | 700,000 |
| Note : Training Courses and Participants at Sl. No. 3 to 8 are mutually exclusive therefore kindly do not include details of specific training program in more than one category | | | |