



ANNUAL PROGRESS REPORT

KVK HOSHANGABAD

April 2018 to March 2019



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Contents

| S. No. | Particular | Page No |
|--------|---|---------|
| | Instructions for Filling the Format | 3 |
| | Summary of KVK Annual Report (Quantifiable Achievement) for the year 2017-18 | 4-5 |
| 1 | General Information | 6-9 |
| 2 | On Farm Testing | 10-30 |
| 3 | Achievements of Frontline Demonstrations | 31-34 |
| 4 | Documentation of the need assessment conducted by the KVK for the training programme | 35 |
| 5 | Training programmes | 36-42 |
| 6 | Extension Activities | 43-44 |
| 7 | Literature Developed/Published (with full title, author & reference) | 45 |
| 8 | Production and supply of Technological products | 46 |
| 9 | Activities of Soil and Water Testing Laboratory | 46 |
| 10 | Rainwater Harvesting | 46 |
| 11 | Utilization of Farmer Hostel facilities | 47 |
| 12 | Utilization of Staff Quarter facilities | 48 |
| 13 | Details of SAC Meeting | 48 |
| 14 | Status of Kisan Mobile Advisory | 49 |
| 15 | Status of Convergence with agricultural schemes | 49 |
| 16. | Status of Revolving Funds | 49 |
| 17. | Awards & Recognition | 49 |
| 18. | Details of KVK Agro-technological Park | 49 |
| 19. | Farm Innovators | 50 |
| 20. | KVK interaction with progressive farmers | 50 |
| 21. | Outreach of KVK | 51 |
| 22. | Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize | 51 |
| 23. | KVK Ring | 52 |
| 24. | Important visitors to KVK | 52 |
| 25. | Status of KVK Website | 53 |
| 26. | Status of E-connectivity | 53 |
| 27. | Status of RTI | 53 |
| 28. | Status of Citizen Charter | 53 |
| 29. | Attended HRD activities organized by ZPD | 53 |
| 30. | Attended HRD activities organized by DES | 53 |
| 31. | Attended HRD activities by KVK Staff | 53 |
| 32 | Agri Alert report | 54 |
| 33. | Details of Technological Week Celebration | 55 |
| 34. | Interventions on Drought Mitigation | 56-57 |
| 35. | Satellite Village on Doubling Farmer's Income | 58-59 |
| 36. | Nutri Smart Village | 60-63 |
| 37. | Sansad Adarsh Gram | 64 |
| 38. | Proposal of NICRA | 65 |
| 39. | Proposed works under NAIP | 65 |
| 40. | Case study / Success Story to be developed | 66-67 |
| 41. | Action Photographs | 68-69 |

Instructions for Filling the Format

1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.
2. Do not merge columns, rows.
3. Please repeat the name of KVK in each table in the column “Name of KVK”
4. Do not fill the non-numerical values in numeric field
5. Do not repeat the unit while reporting data as it is already mentioned in the heading row
6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit
7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)
8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”
9. Also read the instructions mentioned just below the table
10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format
11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.
12. Grey color cells in summary table need not to be filled.
13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).
Vegetable:- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
Fruits:- Mango, Guava, Custard apple, Pear etc.
Spices:- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – April 2018 to March 2019

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2018-19

| S.N. | Quantifiable Achievement | Number | Beneficiaries (nos.) | |
|----------|---|--------------------------|------------------------|-----------------------------|
| 1 | On Farm Testing | | | |
| | Proposed OFT | 34 | | 1061 |
| | On Going OFT | 10 | | 745 |
| | Technologies assessed (Completed OFT) | 24 | | 316 |
| | Technologies refined | 0 | | 0 |
| | On farm trials conducted | 34 | | 1061 |
| 2 | Frontline demonstrations | | | |
| | Proposed Frontline demonstrations | 0 | | |
| | On Going Frontline demonstrations | 0 | | |
| | FLDs conducted on crops | 0 | | |
| | Area under crops (ha.) | 0 | | |
| | FLD on farm implement and tools | 0 | | |
| | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.) | 0 | | |
| | FLD on Fisheries - Finger lings | 0 | | |
| | FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.) | 0 | | |
| | FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.) | 0 | | |
| 3 | Training programmes | No. of Course | Duration (days) | Participants |
| | Farmers | 40 | 1 | 787 |
| | Farm women | 13 | 1 | 220 |
| | Rural youth | 6 | 1 | 27 |
| | Extension personnel/ In service | 5 | 1 day | 77 |
| | Vocational trainings | 5 | 10 days | 68 |
| | Sponsored Training | 4 | 1 & 2 & 3 days | 113 |
| | Total | | | |
| | | No. of programmes | | Participants |
| 4 | Extension Programmes | 24 | | 3000 |
| 5 | Production of technology inputs etc | Qty | | Beneficiaries (nos.) |
| | Seed (qt.) | 0 | | |
| | Planting material produced (nos.) | 0 | | |
| 6 | Livestock | Qty | | Beneficiaries (nos.) |
| | Livestock strains (Nos) | 0 | | |
| | Milk Yield - Cow, Buffelo etc. (in liter) | 0 | | |
| | Fish (Kg.) | 0 | | |
| | Fingerlings (nos.) | 0 | | |
| | Poultry-Eggs (nos.) | 0 | | |
| | Ducks (nos.) | 0 | | |
| | Chicks etc. (nos.) | 0 | | |
| 7 | Bio Products | Qty | | Beneficiaries (nos.) |
| | Bio Agents -Earth worm (Kg.) | 158.5 q | | 317 |
| | Biodynamic Culture S 9 | 3 q | | 300 |
| | Trichoderma (kg.) | | | |
| | Bio Fertilizers- Vermicompost, Rhizobium, PSB , BGA , Mycorrhiza , Azotobacter , Azospirillum etc. (Kg.) | | | |
| | Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.) | | | |

| | | | | |
|-----------|--|-------------------------------|------------------------------------|-------------|
| 8 | Any other significant achievement in the Zone | Nos. | Participants/ beneficiaries | |
| | Award (Best KVK award and scientist and farmer's award) | 0 | | |
| | Publications (Res. Paper/ pop. Art./Bulletin,etc.) | 12 | Not applicable | |
| | KVK News letter | 4 | 500 | |
| | SAC Meetings conducted | 1 | 30 | |
| | Soil sample tested | 363 | 363 | |
| | Water sample tested | 0 | | |
| | RWH System (Special training and field visit on RWH structure and MIS in KVKs) | 0 | | |
| | KVK-KMA (Message and beneficiaries) | | | |
| | Convergence programmes | 1 | 30 | |
| | Sponsored programmes | 4 | 68 | |
| | KVK Progressive Farmers interaction | 0 | | |
| | No. of Technology Week Celebrations | 0 | | |
| | Attended HRD activities organized by ZPD | 1 | | |
| | Attended HRD activities organized by DES | 0 | | |
| | Attended HRD activities by KVK Staff (Refresher /Short course, Training programme etc.) | 2 | | |
| 9 | Current status of Revolving Funds (Amt. in Rs.) | Rs. 1,16333 As per 31.03.2019 | | |
| 10 | | No. of blocks | No. of villages | |
| | Outreach of KVK in the District | 3 | 10 | |
| 11 | | ICAR | SAU | ICAR |
| | No. of important visitors to KVK (nos.) | 2 | 2 | 2 |
| 12 | | Working (Yes/No) | No. of Update | |
| | Status of KVK Website | Yes | 45 | |
| 13 | | Application received | Application disposed | |
| | Status of RTI (nos.) | 0 | 0 | |
| 14 | | Query received | Query dissolved | |
| | Citizen Charter (nos.) | 0 | 0 | |
| 15 | | Working (Yes/No) | No. of programme viewed | |
| | E-connectivity | 0 | 0 | |
| 16 | | Filled | Vacant | |
| | Staff Position | 13 | 3 | |
| 17 | Workshop/ Seminar/ Conference attended by staff of KVK (nos) | | | |
| 18 | Publication received from ICAR /other organization (nos.) | | | |
| 19 | | Particulars | Organization | |
| | Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR) | 1 | ZPD, DES | |
| 20 | | Activity | Beneficiaries (nos.) | |
| | Activities performed in Satellite Village on DFI | 15 | 150 | |
| 21 | Activities performed in Nutri Smart Village | 24 | 300 | |
| 22 | Activities performed in Sansad Adarsh Gram | 1 | 140 | |

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2019

| Name of KVK | Sanctioned Posts | PC (1) | | SMS (6) | | PA (3) | | Admn. (6) | | Total | |
|-----------------|------------------|--------|--------|---------|--------|--------|--------|-----------|--------|-------|--------|
| | | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled |
| KVK Hoshangabad | 16 | 01 | 00 | 06 | 06 | 03 | 03 | 06 | 04 | 16 | 13 |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Highest degree | Subject of specilization | Pay scale | Present pay | Date of joing | Per./Temp. | Category |
|-----------------|----------------------------|-----------------------------|-------------------------------------|----------------|-------------------------------------|----------------------------|-------------|---------------|------------|----------|
| KVK Hoshangabad | Programme Coordinator | Vacant | | | | | | | | |
| KVK Hoshangabad | Subject Matter Specialist1 | Shri Brajesh Kumar Namdev | Entomology | M.Sc. | Agriculture Entomology | 15600-39100+5400 Grade Pay | | 01.03.2018 | Temporary | OBC |
| KVK Hoshangabad | Subject Matter Specialist2 | Dr. Sanjeev Kumar Garg | Agriculture Extension | PhD | Agriculture Extension | 15600-39100+5400 Grade Pay | | 05.03.2018 | Temporary | General |
| KVK Hoshangabad | Subject Matter Specialist3 | Dr Devidas Patel | Plant Breeding | PhD | Plant Breeding and Genetics | 15600-39100+5400 Grade Pay | | 05.03.2018 | Temporary | OBC |
| KVK Hoshangabad | Subject Matter Specialist4 | Shri Lavesh Kumar Chourasia | Horticulture | M.Sc | Horticulture-Vegetable Science | 15600-39100+5400 Grade Pay | | 09.03.2018 | Temporary | OBC |
| KVK Hoshangabad | Subject Matter Specialist5 | Dr. Akanchhha Pandey | Home Science | PhD | Home Science | 15600-39100+5400 Grade Pay | | 15.03.2018 | Temporary | General |
| KVK Hoshangabad | Subject Matter Specialist6 | Dr. Diwakar Verma | Livestock Production and Management | MVSc | Livestock Production and Management | 15600-39100+5400 Grade Pay | | 13.04.2018 | Temporary | OBC |
| KVK Hoshangabad | Programme Assistant | Shri Praveen Solanki | Environmental Science | PhD | B.Sc. Agriculture | 9300-34800+ Grade Pay 4200 | | 13.03.2018 | Temporary | OBC |
| KVK Hoshangabad | Farm Manager | Shri Pankaj Sharma | Agriculture Extension | MSc | M.Sc. Agriculture | 9300-34800+ Grade Pay 4200 | | 09.03.2018 | Temporary | General |
| KVK | Computer Programmer | Shri Rahul Majhi | Graduation | BE | B.E- IT | 9300- | | 05.03.2018 | Temporary | General |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Highest degree | Subject of specilization | Pay scale | Present pay | Date of joiing | Per./Temp. | Category |
|-----------------|-----------------------------|--------------------------|-----------------|----------------|--------------------------|----------------------------------|-------------|----------------|------------|----------|
| Hoshangabad | | | | | | 34800+ Grade Pay 4200 | | | | |
| KVK Hoshangabad | Accountant / superintendent | Shri Vikas Mohrarir | Post Graduation | MBA | MBA | 9300-34800+ Grade Pay 4200 | | 01.03.2018 | Temporary | General |
| KVK Hoshangabad | Stenographer | Vacant | | | | | | | | |
| KVK Hoshangabad | Driver | Shri onkar Singh Rajput | Jeep Driver | BSc | MA | 5200-20200+ Grade Pay 2000 | | 03.08/2018 | Temporary | General |
| KVK Hoshangabad | Driver | Vacant | | | | | | | | |
| KVK Hoshangabad | Supporting staff | Shri Jitendra Kumar Jain | Graduation | BSc | Skill Support | 5200-20200+ Grade Pay 1800 | | 15.03.2018 | Temporary | General |
| KVK Hoshangabad | Supporting staff | Shri Piyush Jha | Graduation | B.Com | Skill Support | 5200-20200+ Grade Pay 1800 | | 03.08/2018 | Temporary | General |

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)-

| KVK Name | Agro-climatic zone | No . of Blocks | No. of Panchayats | Population | Literacy | SC and ST Population | No. of farmers | Average land holding |
|-----------------|------------------------|----------------|-------------------|------------|----------|----------------------|----------------|----------------------|
| KVK Hoshangabad | Central Narmada Valley | 7 | 424 | 12,40,975 | 810,644 | 402307 | 136223 | 2.38 |

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

| KVK Name | Village Name | Year of adoption | Block Name | Distance from KVK | Population | Number of farmers (having land in the village) |
|-----------------|--------------|------------------|-----------------|-------------------|------------|--|
| KVK Hoshangabad | Tindwada | 2018-19 | Bankhedi | 5 kms | 1162 | 132 |
| KVK Hoshangabad | Kothri | 2018-19 | Bankhedi | 16 kms | 1030 | 48 |
| KVK Hoshangabad | Chakar | 2018-19 | Pipariya | 60 kms | 290 | 141 |
| KVK Hoshangabad | Jasarwani | 2018-19 | Bankhedi | 16 kms | 1105 | 273 |
| KVK Hoshangabad | Chatter | 2018-19 | Bankhedi | 16 kms | 455 | 71 |

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

| KVK Name | THRUST AREA |
|-----------------|--|
| KVK Hoshangabad | Organic Farming |
| KVK Hoshangabad | Employment generation |
| KVK Hoshangabad | Resource base Livelihood |
| KVK Hoshangabad | Milch animal based production system |
| KVK Hoshangabad | Nutritional security for farm women & children |

1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

| KVK Name | Problem identified | Methods of problem identification | Location Name of Village & Block |
|-----------------|--|---|--|
| KVK Hoshangabad | High seed rate and low yield of rice | Filed visit ,RRA, meeting with agriculture & allied department officers | Paliya pipariya, Malahnwada, Machera, Paraswada, |
| KVK Hoshangabad | Waterlogging during August affects pigeon pea growth and yield | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |
| KVK Hoshangabad | Large scale incidence of Khaira disease reduce rice yield | Filed visit ,RRA, meeting with agriculture & allied department officers | Kamti , murgidhana, bankhedi |
| KVK Hoshangabad | Comparative nutritive value of vermicompost prepared from different bio-waste is not known | Filed visit ,RRA, meeting with agriculture & allied department officers | Dumar,dharawpadaw, dangarhai |
| KVK Hoshangabad | Heavy incidence of sucking insect pest in nursery leads to weak plants and carry pests to main field | Filed visit ,RRA, meeting with agriculture & allied department officers | Tindwada, kalkuhi, surela |
| KVK Hoshangabad | Low yield in rice due to heavy infestation of Stem borer | Filed visit ,RRA, meeting with agriculture & allied department officers | Paliya pipariya, Malahnwada, Machera, Paraswada, khapa |
| KVK Hoshangabad | Low yield of pigeon pea due to attack of pod borer complex | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |
| KVK Hoshangabad | Backyard is not utilized for an economic activity by resource poor small and marginal farmwomen | Filed visit ,RRA, meeting with agriculture & allied department officers | Kamti , murgidhana, bankhedi |
| KVK Hoshangabad | Poor nutritional status of marginal farmwomen due to low vegetable intake | Filed visit ,RRA, meeting with agriculture & allied department officers | Paliya pipariya, Malahnwada, Machera, Paraswada, |
| KVK Hoshangabad | Prevalence of anaemia among lactating mothers | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |
| KVK Hoshangabad | Extended postpartum anoestrous and repeat breeding among milch cattle is a common problem | Filed visit ,RRA, meeting with agriculture & allied department officers | Kamti , murgidhana, bankhedi |
| KVK Hoshangabad | Low yield in milk due to high worm load | Filed visit ,RRA, meeting with agriculture & allied department officers | Dumar,dharawpadaw, dangarhai |
| KVK Hoshangabad | Lack of technical knowledge among farmers about SRI technology | Filed visit ,RRA, meeting with agriculture & allied department officers | Tindwada, kalkuhi, surela |
| KVK Hoshangabad | Low yield due to use of old variety | Filed visit ,RRA, meeting with agriculture | Paliya pipariya, |

| | | | |
|-----------------|---|---|--|
| | | & allied department officers | Malahnwada, Machera, Paraswada, |
| KVK Hoshangabad | Low yield due to use of old variety | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |
| KVK Hoshangabad | Low milk yield due to imbalance feed management | Filed visit ,RRA, meeting with agriculture & allied department officers | Kamti , murgidhana, bankhedhi |
| KVK Hoshangabad | Low plant population due severe incidence of wilt reduces the yield of chickpea | Filed visit ,RRA, meeting with agriculture & allied department officers | Dumar,dharawpadaw, dangarhai |
| KVK Hoshangabad | Low yield of chickpea due to attack of gram borer | Filed visit ,RRA, meeting with agriculture & allied department officers | Tindwada, kalkuhi, surela |
| KVK Hoshangabad | Low yield of Tomato due to Leaf Curl Virus and Early blight | Filed visit ,RRA, meeting with agriculture & allied department officers | Paliya pipariya, Malahnwada, Machera, Paraswada, |
| KVK Hoshangabad | Low economic return due to lack of knowledge about improved variety | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |
| KVK Hoshangabad | Poor growth of local breed in Backyard | Filed visit ,RRA, meeting with agriculture & allied department officers | Kamti , murgidhana, bankhedhi |
| KVK Hoshangabad | Poor growth of children of landless farmer due to non availability of milk | Filed visit ,RRA, meeting with agriculture & allied department officers | Paliya pipariya, Malahnwada, Machera, Paraswada, |
| KVK Hoshangabad | Low milk production due to unavailability of green fodder | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |
| KVK Hoshangabad | Lack of technical knowledge among farmers about residue management | Filed visit ,RRA, meeting with agriculture & allied department officers | Kamti , murgidhana, bankhedhi |
| KVK Hoshangabad | Low yield due to use of old variety | Filed visit ,RRA, meeting with agriculture & allied department officers | Dumar,dharawpadaw, dangarhai |
| KVK Hoshangabad | Less yield of Green gram due to imbalance use of nutrient | Filed visit ,RRA, meeting with agriculture & allied department officers | Tindwada, kalkuhi, surela |
| KVK Hoshangabad | Area under Black gram reduced drastically due to Incidence of YMV | Filed visit ,RRA, meeting with agriculture & allied department officers | Paliya pipariya, Malahnwada, Machera, Paraswada, |
| KVK Hoshangabad | April to July interspace between rows of sugarcane remains unutilized | Filed visit ,RRA, meeting with agriculture & allied department officers | Junehta , anhai, vijanhai |

2. On Farm Testing (OFT)

Note-

- Thematic area should be spelled correct and select only on the given list.
- Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- Don't press enter key to navigate among column use arrow or tab key
- don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under trail.
- If crop has been not yet harvested, mark it * on that

Thematic Areas for OFT/FLD

| Thematic Areas for OFT/FLD | Parameters Name and unit |
|---|-----------------------------------|
| OFT/FLD on Crops | |
| Agro Forestry | Yield q/ha |
| Crop Diversification | insect population/plant |
| Integrated Crop Management | No of pods/plant |
| Integrated Farming system | Disease incidence % |
| Integrated Disease Management | No of effective tillers/hill |
| Integrated Nutrient Management | Rhizome wt/Plant(g) |
| Integrated Weed Management | No of weeds/m ² |
| Varietal Evaluation | Fruit wt(g) |
| Integrated Pest Management | No of Fruits/plant |
| Integrated Plant Nutrient Management | Fruit Length(cm) |
| Feed and Fodder Production | No of nodules/plant |
| Resource conservation Technology | % Insectitation |
| Soil Fertility Management | No of Cobs/plant |
| | No of Larvae/m ² |
| | No of Panicles/m ² |
| | No of Tillers/hills |
| | No of Bulb weight(g) |
| | No of Grains/panical |
| | No. of tubers/plant |
| | Weight of Curd/head (g/plant) |
| | No. of Siliquae or Capsule /plant |
| | Seedling Germination (%) |
| OFT/FLD on Agriculture Engineering | |
| Farm Mechanization | Yield (q/ha) |
| Resource Conservation Technology | Field Capacity (ha/hr) |
| Post-Harvest Management | Cleaning efficiency % |
| Storage loss minimization Technology | Cleaning Capacity q/hr |

| | |
|--|--|
| Small Farm Implements | weed population per m ² |
| | tillers/plant |
| | water inefficiency |
| | irrigation efficiency |
| OFT/FLD on Animal Science | |
| Animal Feed / Fodder Management | Milk yield (Lit/day/animal) |
| Animal Disease Management | change in body weight(kg) |
| Animal Nutrition Management | Egg Production/bird/year |
| Livestock production & management | % decrease in Worm |
| Animal breed evaluation | Parasite control (%) |
| Poultry Production and management | Body weight at 12 month (kg/goat) |
| | Parasite occurrence (%) |
| | Live weight (kg/bird) at 12th Month |
| | Growth Rate (90 days) |
| | Yield q/ha (Fodder) |
| | Mortality % |
| | Feed intake |
| | % Disease infestation |
| OFT/FLD on Fisheries | |
| Fingerling Production in Seasonal Ponds | Yield (q/ha) |
| Composite Fish Farming | Yield (q/ha), ABW (kg) |
| Fish Nutrition | Survival Rate (%) |
| Fish-cum-Duck Farming | Disease incidence (%) |
| Fish Production & Management | |
| Fish Breeding | |
| Fish Seed Production | |
| Spawn to fry production | |
| Integrated Farming System | |

2.1 **Details of OFT on Crop**

| KVK name | Year/Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Name of Technology/Variety used | | | Thematic Area | Crop Category | Name of Crop | Farming Situations | Target | No. of trials | Results (with parameter) | | | Net Returns (Rs./ha) | | |
|-----------------|---------------|--|---|--|--|--|--|---------------|---------------|--------------|--------------------|--------|---------------|--------------------------|----------------------|-------------|----------------------|----------------------|--------|
| | | | | | T1 | T2 | T3 | | | | | | | FP (T ₁) | RP (T ₂) | T3 | FP (T ₁) | RP (T ₂) | T3 |
| Hoshangabad | Kharif – 2018 | High seed rate and low yield of rice | Assessment of SRI in JRH-5 variety of rice (under rice-wheat cropping system) | Assessment | farmers practice(High seed rate in nursery raising of rice) | Transplanting of 12 days old seeding at 25x25cm P-P&R-R distance High yielding variety JRH-5 (matures in 95-100 days, yield 65-70q/ha) | Nutrient application through Ammonium phosphate on soil test bases | CP | Cereal | Rice | Irrigated | 05 | 05 | 60 Qt/ha. | 72 Qt/ha. | 72 Qt/ha. | 83000 | 105200 | 105200 |
| KVK Hoshangabad | Kharif – 2018 | Waterlogging during August affects pigeon pea growth and yield | Assessment of ridge and furrow planting method in pigeon pea under water logging condition (under Pigeon pea-wheat cropping system) | Assessment | Farmers practice (broadcast sowing of pigeon pea in June by after harvesting of summer moong, water logged condition in the month August due to rain seriously | Sowing of seed treated pigeon pea by Ridge and furrow method in July | Nutrient management on soil test based | CP | Pulse | Pigeon pea | Irrigated | 05 | 05 | 12.8 qt/ha. | 17.5 qt/ha. | 17.5 qt/ha. | 47190 | 73863 | 73863 |

| | | | | | | | | | | | | | | | | | | | |
|------------------|---------------|--|--|------------|---|---|---|-----|--------------|--------------|-----------|----|----|-----------|-------------|-------------|-------|-------|-------|
| | | | | | affect plant population) | | | | | | | | | | | | | | |
| KVK Hosh angabad | Kharif – 2018 | Large scale incidence of Khaira disease reduce rice yield | Assessment based application of sulphate in management of Khaira disease | Assessment | Farmers practices (No application of Zinc) | Basal application of Zinc based on soil test in the form of Zinc Sulphate | | SFM | Cereal | Rice | Irrigated | 05 | 05 | 58 Qt/ha. | 72.4 Qt/ha. | 72.4 Qt/ha. | 7200 | 96700 | 96000 |
| KVK Hosh angabad | Kharif 2018 | Comparative nutritive value of vermicompost prepared from different bio-waste is not known | Assessment of nutrient value of Vermicompost prepared from FYM, Bio-gas slurry and agri-waste | Assessment | Vermicompost prepared with FYM | Vermicompost prepared with bio-gas slurry | Vermicompost prepared with agricultural waste | SFM | Vermicompost | Vermicompost | Irrigated | 01 | 01 | 5.7 q | 6.4 q | 5.4 q | 4047 | 5760 | 2970 |
| KVK Hosh angabad | Kharif 2018 | Heavy incidence of sucking insect pest in nursery leads to weak plants and carry pests to main field | Assessment of Insecticide as seed treatment in Rice for management of sucking insect pest in nursery | Assessment | Farmers practice (no insect pest management in nursery) | Seed treatment with Imidacloprid 600 FS@ 2ml/kg seed | | PLP | Cereal | Rice | Irrigated | 05 | 05 | 53 | 55.4 | | 47423 | 53523 | |
| KVK Hosh angabad | Kharif 2018 | Low yield in rice due to heavy infestation of Stem | Assessment of Pheromone traps for manage | Assessment | Farmers practice (No use of Pheromone trap, | Pheromone trap 5 mg lure @ 10 trap /acre | | PLP | Cereal | Rice | Irrigated | 05 | 05 | | 12 | 15.7 | 33400 | 49080 | - |

| | | | | | | | | | | | | | | | | | | | |
|-----------------|-------------|---|---|------------|---|---|---|-----|-----------|--------------|---------|----|----|---|----------|----|-------|-------|---|
| | | borer | ment of stem borer in irrigated rice | | indiscriminate use of pesticide) | | | | | | | | | | | | | | |
| KVK Hoshangabad | Kharif 2018 | Low yield of pigeon pea due to attack of pod borer complex | Assessment of management of pod borer complex by timely application of insecticides | Assessment | : Farmer practice (indiscriminate use of insecticides at later stages of incidence) | Mixing of Sorghum/ Maize seed (250 g/ha) for function as live bird perches. (These plant also help in conserving natural enemy) and timely application of Spinosad 45% SC 65 ml/acre at the initial incidence of pest, Chlorantraniliprole @ 30 g a.i./ ha at flowering | - | PLP | Pulse | Pigeon pea | Rainfed | 05 | 05 | | 47.4 | 53 | 42287 | 54844 | |
| KVK Hoshangabad | Kharif 2018 | Backyard is not utilized for an economic activity by resource poor small and marginal farmwomen | Assessment of Sponge gourd in backyard for additional income | Assessment | 0 | Sponge gourd seed provided to 5 resource poor woman | - | HOV | Vegetable | Sponge gourd | Rainfed | 05 | 05 | 0 | 113 q/ha | - | 0 | 1,100 | - |

| | | | | | | | | | | | | | | | | | | | |
|-----------------|--------------|---|---|------------|--|--|---|-----|--------|----------|-----------|----|----|-----------|-----------|-------|------|-----|-----|
| KVK Hoshangabad | Rabi 2018-19 | Low yield due to use of old variety | Assessment of Improved variety MP-3288 of Wheat under wheat-summer green cropping system) | Assessment | Farmers practice (use of old variety of wheat Lokl | MP-3288 of Wheat (yield 58-60q/ha) | - | CP | Cereal | Wheat | Irrigated | 05 | 05 | 45.5qt/ha | 54.8qt/ha | | 6110 | 783 | 80 |
| KVK Hoshangabad | Rabi 2018 | Low yield due to use of old variety | Assessment of Improved variety RVKG-101Chickpea (under Chickpea-summer green cropping system) | Assessment | Farmers practice (use of old variety of chickpea) | RVKG-101Chickpea (yield 18-20q/ha) | - | CP | Pulse | Chickpea | irrigated | 05 | 05 | 12qt/ha | 15.7qt/ha | | 3340 | 490 | 80 |
| KVK Hoshangabad | Rabi 2018 | Low plant population due severe incidence of wilt reduces the yield of chickpea | Assessment of Technology For Management of Wilt disease in Chickpea | Assessment | Farmers practice (No use of Trichoderma viride) | Soil application of FYM enriched T. viride (@5 kg/q FYM) before last ploughing followed by sowing of seed treated chickpea with T viride | - | PLP | Pulse | Chickpea | Irrigated | 05 | 05 | | 8.82 | 13.70 | 177 | 38 | 058 |

| | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|---|---|------------|---|---|---|-----|-----------|------------|-----------|----|----|----------|----------|-------|-------|----------|---|
| KVK Hosh angabad | Rabi 2018 | Low yield of chickpea due to attack of gram borer | Assessment of IPM module for management of gram pod borer in chickpea | Assessment | Farmer practice (indiscriminate use of Insecticide) | @10g/kg installation of bird perches @ 50/h, Pheromone trap @ 12/h, need based spray of chlorantraniliprole @ 30 g a.i./ ha | - | PLP | Pulse | Chickpea | Irrigated | 05 | 05 | | 8.62 | 12.68 | 13094 | 29770 | |
| KVK Hosh angabad | Rabi 2018 | Low yield of Tomato due to Leaf Curl Virus and Early blight | Assessment of HYV variety Arka Rakshak of Tomato | Assessment | : Farmers practice (use of local variety of tomato) | Arka rakshak of Tomato resistant of leaf curl | - | HOV | Vegetable | Tomato | Irrigated | 05 | 05 | 289 q/ha | 407 q/ha | - | 1,100 | 1,100 | - |
| KVK Hosh angabad | Rabi 2018 | Low economic return due to lack of knowledge about improved variety | Assessment of Improved Variety of Cabbage Pusa Mukta | Assessment | Farmers practice (use of local variety of cabbage) | Pusa Mukta of cabbage (yield 58-60q/ha) | - | HOV | Vegetable | Cabbage | Irrigated | 05 | 05 | 173 q/ha | 242 q/ha | - | 9,100 | 1,16,000 | - |
| KVK Hosh angabad | Summer 2019 | Low yield due to use of old variety | Assessment of Improved variety MH-421 of Green gram | Assessment | Farmers practice (use of old variety of wheat Lok1) | MH-421 of Green gram (yield 12-14 q/ha) | - | CP | Pulse | Green gram | Irrigated | 05 | 05 | On going | - | - | - | - | - |
| KVK Hosh | Summer 2019 | Less yield of | Assessment of | Assessment | Farmer practice | Application of | - | SFM | Pulse | Green gram | Irrigated | 05 | 05 | On going | - | - | - | - | - |

| | | | | | | | | | | | | | | | | | | | |
|-------------------|-------------|---|---|------------|---|---|---|-----|-----------|------------|-----------|----|----|----------|--|--|--|--|--|
| angab ad | | Green gram due to imbalance use of nutrient | soil test based nutrient management in Green gram | | s (imbalance application of fertilizers) | nutrients on soil test basis | | | | | | | | ng | | | | | |
| KVK Hosh angab ad | Summer 2019 | Area under Green gram reduced drastically due to Incidence of YMV | Assessment of Technology for Management of Whitefly for YMV disease in Green gram | Assessment | Farmers practice (sowing without seed treatment) | Seed treatment (Thiomethaxam 4 g/kg + Yellow sticky trap (10 trap/acre) | - | PLP | Pulse | Green gram | Irrigated | 05 | 05 | on going | | | | | |
| KVK Hosh angab ad | Summer 2019 | April to July interspace between rows of sugarcane remains unutilized | Assessment of Coriander for leaves as intercrop in sugarcane | Assessment | Farmers practice (Interspace between rows of sugarcane is unutilized) | Sowing of Coriander for green leaves in the second week of May. The moisture and shade will promote coriander growth for leaves for harvest in June- July when the prices are Rs80/kg | - | HOV | Vegetable | Coriander | Irrigated | 05 | 05 | on going | | | | | |

Recommendations of OFTs

| Recommendations | | |
|-----------------|-------------|----------------------|
| Title of OFT | For Farmers | For Deptt. Personnel |
| | | |
| | | |

2.2 Economic Performance

| OFT Title | Parameters | | | Average Cost of cultivation (Rs/ha) | | | Average Gross Return (Rs/ha) | | | Average Net Return (Rs/ha) | | | Benefit-Cost Ratio (Gross Return / Gross Cost) | | |
|---|--------------------------------|--|---|-------------------------------------|----------------------|--|------------------------------|----------------------|--|----------------------------|---------------------|--|--|----------------------|--|
| | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP(T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) |
| Assessment of Sponge gourd in backyard for additional income | Yield/ha | 0 | 111 q/ha | 0 | 60000 | - | 0 | 1,69,500 | - | 0 | 1,19,500 | - | 0 | 1.02 | - |
| Assessment of Improved Variety of Cabbage Pusa Mukta | Yield/ha | 173q/ha | 242 q/ha | 16000 | 46000 | - | 1,38,400 | 1,93,600 | - | 92,200 | 1,17,600 | - | 3.00 | 1.20 | - |
| Assessment of HYV variety Arka Rakshak. of Tomato | Yield/ha | 209 q/ha | 107 q/ha | 60000 | 60000 | - | 1,11,500 | 2,03,500 | - | 81,500 | 1,13,500 | - | 2.10 | 3.22 | - |
| Assessment of soil based application sulphate in rice for management of K disease | Yield/ha | Farmers practices (No application of Zinc) | Basal application of Zinc based on soil test in the form of Zinc Sulphate | 38790 | 41451 | - | 118880 | 149037 | - | 80090 | 107586 | - | 3.06 | 3.59 | - |
| Assessment of nutrient value of Vermicompost prepared from FYM, Bio-gas slurry and agri-waste | Vermicompost prepared with FYM | Vermicompost prepared with bio-gas slurry | Vermicompost prepared with agricultural waste | 1653 Rs for 5.7q | 1920 Rs for 6.4q | 1350 Rs for 5.4q | 5700 | 7680 | 4320 | 4047 | 5760 | 2970 | 3.44 | 4 | 3.2 |
| Assessment of SRI in JRH-5 variety of | Yield/ha | 58qt/ha | 72.4qt/ha | 29500 | 30000 | 30500 | 101500 | 129700 | 132700 | 72000 | 99200 | 102200 | 3.44 | 4.22 | 4.35 |

| | | | | | | | | | | | | | | | |
|---|----------|-----------|-----------|-------|-------|-------|-------|--------|--------|-------|-------|-------|------|------|------|
| Paddy (under rice-wheat cropping system) | | | | | | | | | | | | | | | |
| Assessment of ridge and furrow planting method in pigeonpea under water logging condition (under Pigeonpea-wheat cropping system) | Yield/ha | 12.8qt/ha | 17.5qt/ha | 24540 | 25450 | 26600 | 72640 | 99313 | 101500 | 48100 | 73863 | 74900 | 2.9 | 3.9 | 3.81 |
| Assessment of Improved variety MP-3288 of Wheat under wheat-summer greengram cropping system) | Yield/ha | 45.5 | 54.8 | 22130 | 23000 | | 84175 | 101380 | | 62045 | 78380 | | 2.80 | 3.40 | |
| Assessment of Improved variety RVKG-101 Chickpea (under Chickpea-summer greengram cropping system) | Yield/ha | 12 | 15.7 | 19400 | 20000 | | 52800 | 69080 | | 33400 | 49080 | | 2.72 | 3.45 | |
| Assessment of Insecticide- as seed treatment in Rice for management of sucking insect pest in nursery | Yield/ha | 53 | 55.4 | | | | | | | | | | 1.91 | 2.01 | |
| | | | | 51952 | 50352 | | 99375 | 103875 | | 47423 | 53523 | | | | |
| Assessment of Pheromone traps for management of stem borer in | Yield/ha | 47.4 | 53 | 46588 | 44531 | | 88875 | 99375 | | 42287 | 54844 | | 1.90 | 2.23 | |

| | | | | | | | | | | | | | | | |
|---|----------|---------|-------|-------|-------|-------|-------|--|--|-------|-------|--|------|------|--|
| irrigated rice | | | | | | | | | | | | | | | |
| Assessment of IPM module for management of gram pod borer in chickpea | Yield/ha | 5.34 | 8.18 | 19670 | 18940 | 29904 | 45808 | | | 10234 | 26868 | | 1.50 | 2.45 | |
| Assessment of Trichoderma viride for wilt management in chickpea | Yield/ha | 8.82 | 13.70 | 21022 | 22222 | 38808 | 60280 | | | 17786 | 38058 | | 1.84 | 2.71 | |
| Assessment of Technology For Management of Wilt disease in Chickpea | Yield/ha | 10.10 | 14.18 | 24834 | 26022 | 37928 | 55792 | | | 13094 | 29770 | | 1.8 | 2.4 | |
| Assessment of Technology for Management of Whitefly for YMV disease in Green gram | Yield/ha | ongoing | | | | | | | | | | | | | |

2.3 **Details of OFT on Agriculture Engineering**

| KVK name | Year/Season | Problem diagnose | Title of OFT | Category of technology (Assessment / Refinement) | Name of Technology used | | | Thematic Area | Crop/Enterprise Category | Crop/enterprise | Farmin g Situations | Target | No. of trials | Results (with parameter) (Yield q/ha) | | | Net Returns (Rs./ha) | | |
|------------------|-------------|--|--|--|--|--|----|---------------|--------------------------|-----------------|---------------------|--------|---------------|---------------------------------------|----------------------|----------------|----------------------|----------------------|----------------|
| | | | | | T1 | T2 | T3 | | | | | | | FP (T ₁) | RP (T ₂) | T ₃ | FP (T ₁) | RP (T ₂) | T ₃ |
| KVK Hoshan gabad | 2018 Kharif | Burning of combine harvested rice stubbles before field preparation affecting wheat productivity by delay sowing | Management of rice residue for direct sowing of wheat through happy seeder | Assessment | Farmers practice (burning of rice stubbles and there after field preparation for wheat) | Direct sowing of wheat in combine harvested rice fields by happy seeder | - | RCT | Wheat | Wheat | Irrigated | 5 | 5 | 54.8 | 55 | - | 75451 | 79172 | |
| KVK Hoshan gabad | Rabi 2018 | Management of wheat residue for direct sowing of summer greengram through happy seeder | | Assessment | Farmers practice (burning of wheat stubbles and proper field preparation for summer greengram) | Direct sowing of greengram in combine harvested wheat fields by happy seeder | | RCT | Greengram | Greengram | Irrigated | 5 | 5 | | On going | | | | |

Recommendations of OFTs

| Recommendations | | |
|-----------------|-------------|----------------------|
| Title of OFT | For Farmers | For Deptt. Personnel |
| | | |
| | | |

2.4 Economic Performance

| OFT Title | Parameters | | | | Average Cost of cultivation (Rs/ha) | | | Average Gross Return (Rs/ha) | | | Average Net Return (Rs/ha) | | | Benefit-Cost Ratio (Gross Return / Gross Cost) | | |
|--|----------------------------|--|--|-------------------|-------------------------------------|----------------------|--|------------------------------|----------------------|--|----------------------------|---------------------|--|--|----------------------|--|
| | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP(T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) |
| Burning of combine harvested rice stubbles before field preparation affecting wheat productivity by delay sowing | Yield/ha | Farmers practice (burning of rice stubbles and there after field preparation for wheat) | Direct sowing of wheat in combine harvested rice fields by happy seeder | - | 25381 | 22488 | - | 100832 | 101660 | - | 75451 | 79172 | - | 2.97 | 3.52 | - |
| Management of wheat residue for direct sowing of summer greengram through happy seeder | Yield/ha | Farmers practice (burning of wheat stubbles and proper field preparation for summer greengram) | Direct sowing of greengram in combine harvested wheat fields by happy seeder | | | | | | | | | | | | | |

2.5 Details of OFT on Animal Science

| KVK name | Year/season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Name of Technology used | | | Thematic Area | Category of Enterprise | Name of Enterprise | Target | No. of trials | Results (with parameter) | | Net Returns (Rs./ha) | | |
|-------------|--------------|---|---|--|--|---|----|-----------------------------------|-------------------------|--------------------|--------|---------------|--------------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | T1 | T2 | T3 | | | | | | FP (T ₁) | RP (T ₂) | T3 | FP (T ₁) | RP (T ₂) |
| Hoshangabad | Khariif 2018 | Extended postpartum anoestrous and repeat breeding among milch cattle is a common problem | Assessment of mineral mixture supplementation in daily ration for timely heat | Assessment | Farmer Practices (Farmer do not supplement mineral mixture in cattle feed) | Daily feed supplement with Mineral mixture @ 50 g/day for 60 days | - | Livestock production & management | Reproductive management | Mineral mixture | 5 | 5 | 0 | Ongoing | 0 | Awaited | |
| Hoshangabad | Khariif2018 | Low yield in milk due to high worm load | Assessment of Ivermectin for Ecto and Endo parasite | Assessment | Farmer Practices (Deworming of Milch) | Subcutaneous injection of | | Livestock production & management | Production Management | Deworming | 5 | 5 | 2.1 lit/day | 2.2lit/day | 1920 | 2125 | |

| | | | | | | | | | | | | | | | | | |
|--------------|------------|---|---|------------|---|--|------------------------------------|--------------------------|-------------------|---|---|--------------|-------------|------|---------|--|--|
| | | | in Milch cattle | | animal is not practice | Ivermectin @ 1 ml/50 kg body weight of animal | | | | | | | | | | | |
| Hoshanga bad | Ravi 2018 | Low milk yield due to imbalance feed management | Assessment of Azolla as feed supplement for improving milk yield in milch cows | Assessment | Farmers practice (imbalanced feed management) | Feed supplement with Azolla @ 1 kg/animal/day for 3 months | Animal Nutrition Management | Fodder Management | Azolla Production | 5 | 5 | 3.41 lit/day | 3.9 lit/day | 4260 | 6960 | | |
| Hoshanga bad | Jayad 2019 | Low milk production due to unavailability of green fodder | Assessment of production and feeding of hydroponics fodder of maize for dairy animals | Assessment | Farmer Practices (no use of green fodder only use of straw) | Hydroponics maize fodder @ 20 kg/day/animal for 3 months | Animal Nutrition Management | Fodder Management | Hydroponics | 5 | 5 | 0 | Ongoing | 0 | Awaited | | |

Recommendations of OFTs

Recommendations

Title of OFT

For Farmers

For Deptt. Personnel

2.6 Economic Performance

| OFT Title | Parameters | | | | Average Cost of cultivation (Rs/unit) | | | Average Gross Return (Rs/unit) | | | Average Net Return (Rs/ha) | | | Benefit-Cost Ratio (Gross Return / Gross Cost) | | |
|---|------------------------------------|----------------------|----------------------|-------------------|---------------------------------------|----------------------|--|--------------------------------|----------------------|--|----------------------------|---------------------|--|--|----------------------|--|
| | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP(T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) |
| Assessment of Ivermectin for Ecto and Endo parasite in Milch cattle | Milk yield (Lit/day/animal) | 2.1 | 2.2 | - | 3120 | 3155 | - | 5040 | 5280 | - | 1920 | 2125 | - | 1.61 | 1.67 | - |
| Assessment of Azolla as | Milk yield (Lit/day/animal) | 3.4 | 3.9 | - | 3900 | 2400 | - | 8160 | 9360 | - | 4260 | 6960 | - | 2.09 | 3.9 | - |

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| feed supplement for improving milk yield in milch cows | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

2.7 Details of OFT on Fisheries

| KVK Name | Year/Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Name of Technology used | | | Thematic Area | Category of Enterprise | Name of Enterprise | Target | No. of trials | Results (with parameter) | | | Net Returns (Rs./ha) | | |
|----------|-------------|------------------|--------------|--|-------------------------|----|----|---------------|------------------------|--------------------|--------|---------------|--------------------------|----------------------|----|----------------------|----------------------|----|
| | | | | | T1 | T2 | T3 | | | | | | FP (T ₁) | RP (T ₂) | T3 | FP (T ₁) | RP (T ₂) | T3 |
| | | | | | | | | | | | | | | | | | | |

Recommendations of OFTs

| Recommendations | | |
|-----------------|-------------|----------------------|
| Title of OFT | For Farmers | For Deptt. Personnel |
| | | |

2.8 Economic Performance

| OFT Title | Parameters | | | | Average Cost of cultivation (Rs/ha) | | | Average Gross Return (Rs/ha) | | | Average Net Return (Rs/ha) | | | Benefit-Cost Ratio (Gross Return / Gross Cost) | | |
|-----------|----------------------------|----------------------|----------------------|-------------------|-------------------------------------|----------------------|--|------------------------------|----------------------|--|----------------------------|---------------------|--|--|----------------------|--|
| | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP(T ₂) | Refined Practice, if any (T ₃) | FP (T ₁) | RP (T ₂) | Refined Practice, if any (T ₃) |
| | | | | | | | | | | | | | | | | |

2.9 Details of OFT on Agriculture Extension

| S. No | KVK Name | Season & Year | Problem identified | Title of OFT | Thematic Area | Name of Technology assessed | Source of Technology (Year) | Farmers Practice (T ₁) | Assessed Rec. Practice (T ₂) | Refined practice, if Any (T ₃) | Variety | No. of Village | No. of Trials (Replication) |
|-------|-----------------|---------------|---|---|---------------|-----------------------------|-----------------------------|--|---|--|---------|----------------|-----------------------------|
| 1 | KVK Hoshangabad | Kharif 2018 | Lack of technical knowledge among farmer about SRI technology | Effectiveness Social Media 'Whats-app' message for Dissemination of SRI technology in rice crop | ICT | Whats-app | Assessment IARI 2013 | Dissemination of agricultural technologies without Whats App message | Dissemination of agricultural technologies by using Whats App message | - | JRH-5 | 5 | 50 |
| 2 | KVK Hoshangabad | Rabi 2018 | Lack of technical knowledge among farmer about crop residue management wheat crop | Effectiveness Social Media 'Whats-app' message for Dissemination of crop residue management | ICT | Whats-app | Assessment IARI 2013 | Dissemination of agricultural technologies without Whats App message | Dissemination of agricultural technologies by using Whats App message | - | - | 5 | 50 |

| | | | | | | | | | | | | | |
|---|-----------------|--------|---|--|---------------|-----|------------|---|--|-------------------------|---|---|-----|
| | | | | through Seder in wheat crop | | | | | | | | | |
| 3 | KVK Hoshangabad | Annual | Low yield of crop due to no timely technical information in Soybean-chickpea / rice-chickpea-green gram cropping system | Assessment of impact of KMA and Whatsapp for Cluster Demo. group of farmers of Soybean-chickpea/rice-chickpea-green gram cropping system | ICT | KMA | JNKVV 2017 | No timely technical information | Weekly two crop related technical information message | using Whats App message | Soybean-chickpea/rice-chickpea-green gram | - | 100 |
| 4 | KVK Hoshangabad | Annual | Poor knowledge about SHC recommendation | Assessment of knowledge & adoption of soil health card based fertilizer application | ICT/Extension | EXT | | Farmers are not using fertilizers as per SHC recommendation | To find out the awareness, knowledge and adoption Constraints and opinion/ attitude perceived by the farmers | - | On going | | 700 |

1. Effectiveness Social Media 'Whats-app' message for Dissemination of SRI technology in rice crop

Result

| Name of indicators | Performance indicators/ Parameter | | | | |
|-----------------------------|--|-----------------------------|------------------------|----------------|-------------------------|
| | Category | | | High Frequency | Percentage |
| Content of the Message | Poor 9 (18%) | Good 6 (12%) | Very good 35 (70%) | 35 | 70.00 |
| Time of the Message sent | Before 5 (10%) | On time 42 (84%) | Delayed 3 (6%) | 42 | 84.00 |
| Visibility of the content | Low 6 (12 %) | Medium 8 (16 %) | High 36 (72 %) | 36 | 72.00 |
| No. of total message sent | >5 7 (14 %) | 5 4 (8 %) | <5 39 (78 %) | 39 | 78.00 |
| Need of the message | No need 4 (8 %) | Partially need 10 (20 %) | Full need 36 (72 %) | 36 | 72.00 |
| Feedback message of farmers | 1. Unique source of personal communication 2. Quickly received of information 3. Message send be local language audio & audio visual | | | 28 39 24 | 56.00 78.00 48.00 |

Outcome

Table 2-

| Technology | Yield Kg/ha | Total cost of cultivation (Rs.) | Gross income (Rs.) | Net income (Rs.) | BC Ratio |
|---|-------------|---------------------------------|--------------------|------------------|----------|
| Framers Practice (T1) Agricultural technologies without Whats App message | 5950 | 42600 | 111562.5 | 68962.5 | 1.61 |
| SRI package practice Used (T2) Agricultural technologies by using Whats App message | 6890 | 37500 | 129187.5 | 96687.0 | 2.57 |

*MSP -18.75 per kg

The findings observed Table- 1 reveals that 70.00 per cent of farmers very good Content of the Message information of SRI technology and 84.00 per cent of the farmers had on time SRI technology information sent to farmers. Visibility of message content SRI technology in 78 .00 per cent farmer of more than 5. Need of the information SRI technology by 72.00 per cent of the farmers under full need, hence it may clear that the technical information sent under “whats app technology” for dissemination of SRI agricultural technology was fruitful, applicable and needful for the farmers. It is perceived of 78.00 per cent farmers feedback quickly, timely & easily dissemination of information local language to farmers.

Table 2 The result revealed what’s app users farmers the maximum gain net income (Rs. 96,6,87/ha) with 2.57 B:C ratio then without Whats App users farmers gain net income (Rs. 68,9,62/ha) with 1.96 B:C ratio

2. Effectiveness Social Media ‘Whats-app’ message for Dissemination of crop residue management through Seder in wheat crop

Result

| Performance indicators | Performance indicators/ Parameter | | | | |
|-----------------------------|---|-----------------------------|------------------------|----------------|-------------------------|
| | Category | | | High Frequency | Percentage |
| Content of the Message | Poor 4 (08%) | Good 6 (12%) | Very good 40 (80%) | 40 | 80.00 |
| Time of the Message sent | Before 26 (52%) | On time 21 (42%) | Delayed 3 (6%) | 52 | 52.00 |
| Visibility of the content | Low 6(12 %) | Medium 5(10 %) | High 39 (78 %) | 39 | 78.00 |
| No. of total message sent | >5 7 (7 %) | 5 4 (4 %) | <5 39 (39 %) | 78 | 78.00 |
| Need of the message | No need 4 (8 %) | Partially need 18 (36 %) | Full need 28 (54 %) | 28 | 54.00 |
| Feedback message of farmers | <ol style="list-style-type: none"> 1. Quickly communication and solution 2. Quickly dissemination of information 3. Very easy to group share of information of text, audio, video and image form | | | 28 24 39 | 56.00 48.00 78.00 |

The findings observed Table- 1 reveals that 80.00 per cent of farmers very good Content of the Message information of crop residue management and 52.00 per cent of the farmers had on Time crop residue management based information sent to farmers. Visibility of message content crop residue management 78 .00 per cent of < 5. Need of the information crop residue management by 54.00 per cent of the farmers under full need, hence it may clear that the technical information sent under “whats app technology” for dissemination of SRI agricultural technology was fruitful, applicable and needful for the farmers. It is perceived of 78.00 per cent farmer’s feedback Very easy to group share of information local language to farmers in text, audio, video and image form.

3. Assessment of impact of KMA and Whats app for Cluster Demo. group of farmers of Soybean-chickpea/rice-chickpea-greengram cropping system

Result (N=120)

| Performance indicators | Performance indicators/ Parameter | | | | | High Frequency | Percentage |
|--|-----------------------------------|-----------------------------|-----------------------------|-------------------------------|--|----------------|------------|
| | Category | | | | | | |
| No. of message send (32) | 16 | 22 | 18 | 25 | | 25 | 78.12 |
| Need & time based information was sent | Needful & Timely 89 | Needful but Not timely 9 | No Needful but timely 12 | No Needful & Not timely 15 | | 89 | 74.16 |
| Understanding of the message | Highly understandable 93 | Medium understandable 12 | Low understandable 13 | Not understandable 7 | | 93 | 77.5 |
| Applicability of the message | Fully Applicable 88 | Medium Applicable 20 | Partially Applicable 13 | Not Applicable 4 | | 88 | 73.34 |

Outcome

Table 2

| Technology parameters | Yield Kg/ha | Total cost of Cultivation (Rs.) | Gross income (Rs.) | Net income (Rs.) | BC Ratio |
|---|-------------|---------------------------------|--------------------|------------------|----------|
| Farmers practice (T ₁) | | 103690 | 224902 | 121212 | 2.16 |
| KMA Beneficiaries farmers (T ₂) | | 97830 | 258737 | 160907 | 2.64 |
| Whatsapp group farmers (T ₃) | | 94032 | 325543 | 231511 | 3.46 |

Recommendations of OFTs

| Recommendations | | |
|-----------------|-------------|----------------------|
| Title of OFT | For Farmers | For Deptt. Personnel |
| | NA | |
| | | |

2.10 Performance of OFT

| OFT Title | Name and unit of Parameter | Name of parameter | | | | Data on the parameter | | | Result of assessment |
|--|----------------------------|--|---|---|--------------------------|-----------------------|--------------------|---|----------------------|
| | | 1 | 2 | 3 | | 1 | 2 | 3 | |
| Effectiveness Social Media ‘Whats-app’ message for | | Dissemination of agricultural technologies without Whats | Dissemination of agricultural technologies by using Whats App message | - | Content of the Message | 0 | Very good 35 (70%) | | |
| | | | | | Time of the Message sent | 0 | On time 42 (84%) | | |

| | | | | | | | | |
|--|---|--|---|-------------------------|---|----------|--|---|
| Dissemination of SRI technology in rice crop | | App message | | | Visibility of the content | 0 | High 36 (72 %) | |
| | | | | | No. of total message sent | 0 | <5 39 (78 %) | |
| | | | | | Need of the message | 0 | Full need 36 (72 %) | |
| | | | | | Yield Kg/ha | 5950 | 6890 | |
| | | | | | Total cost of cultivation (Rs.) | 42600 | 37500 | |
| | | | | | Gross income (Rs.) | 111562.5 | 129187.5 | |
| | | | | | Net income (Rs.) | 68962.5 | 96687 | |
| | | | | | B:C Ratio | 1.61 | 2.57 | |
| | | | | | Effectiveness Social Media 'Whats-app' message for Dissemination of crop residue management through Seder in wheat crop | | Dissemination of agricultural technologies without Whats App message | Dissemination of agricultural technologies by using Whats App message |
| Time of the Message sent | 0 | Before 26 (52%) | | | | | | |
| Visibility of the content | 0 | High 39 (78 %) | | | | | | |
| No. of total message sent | 0 | <5 39 (39 %) | | | | | | |
| Need of the message | 0 | Full need 28 (54 %) | | | | | | |
| Assessment of impact of KMA and Whatsapp for Cluster Demo. group of farmers of Soybean-chickpea/rice-chickpea-green gram cropping system | | No timely technical information | Weekly two crop related technical information message | using Whats App message | No. of message send (32) | 0 | 20 | 25 |
| | | | | | Need & time based information was sent | 0 | Needful & Timely 82 | Needful & Timely 89 |
| | | | | | Understanding of the message | 0 | Highly understandable 88 | Highly understandable 93 |
| | | | | | Applicability of the message | 0 | Fully Applicable 75 | Fully Applicable 88 |
| | | | | | Total cost of cultivation (Rs.) | 103690 | 97830 | 94032 |
| | | | | | Gross income (Rs.) | 224902 | 258737 | 325543 |
| | | | | | Net income (Rs.) | 121212 | 160907 | 231511 |
| | | | | | B:C Ratio | 2.16 | 2.64 | 3.46 |
| Assessment of knowledge & adoption of soil | | Farmers are not using fertilizers as per SHC | To find out the awareness, knowledge and adoption | - | Ongoing | | | |

| | | | | | | | | | |
|--|--|----------------|---|--|--|--|--|--|--|
| health card based fertilizer application | | recommendation | Constraints and opinion/attitude perceived by the farmers | | | | | | |
|--|--|----------------|---|--|--|--|--|--|--|

2.11 Information about Home Science OFT: (For All Thematic Area)

| KVK Name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Details of Technology Selected for Assessment | Characteristics of Technology / Variety / Product / Enterprise | Farming / Enterprise Situation | No. of trials | Recommendations |
|----------|------|--------|------------------|--------------|--|---------------|---|--|--------------------------------|---------------|-----------------|
| | | | | | | | | | | | |

2.11 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | |
|-------------|--|---|--------------------------------|---------------------------------|-----|--------------|------|-------------------------|------|--------------------------|------|----------------------|------|--------------------------|------|
| | | Output m2/h | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Cardiac Cost of Work | | % Saving of cardiac Cost | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 |
| Hoshangabad | Assessment of drudgery reduction of farm women during plucking of okra | Use of traditional methods (hand picking) | Use of hand gloves for picking | 6.3 | 8.1 | 107.2 | 98.3 | - | 26.3 | - | 63.6 | 31.8 | 22.3 | - | 42.1 |

2.11(B) Economic Performance Home Science OFT: (For Income Generation)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | Saving in Rs | BC ratio |
|-----------------|--|--|--|---------------|-------|--------------------|--------|--------------|-----|------------|--------|-------|--------------|----------|
| | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | | | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | |
| KVK Hoshangabad | Assessment of nutritional garden for household nutritional | low dietary intake of vegetables around the year | Nutritional garden for ensuring vegetables throughout the year | 50000 | 50000 | 80000 | 150000 | 80 | 150 | 30000 | 100000 | 11000 | 3.0 | |
| KVK Hoshangabad | Assessment of Kadaknath breed in the backyard for additional income generation | Local Colour breed growth | Kadaknath breed is high iron content, good growth | ongoing | | | | | | | | | | |
| KVK Hoshangabad | Assessment of sweet corn variety suger 75 for income generation of farm women | Low income due to old variety of maize jm 12 | Suger 75 | ongoing | | | | | | | | | | |

2.11 (C) Economic Performance Home Science OFT: (For value addition)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | | | | |
|----------|-----------|-----------------------------------|----|------------|----|--------------|----|---------------|----|--------------------|----|------------|----|--------------|----------|--|--|--|
| | | Composition of product | | Input used | | outcome (Kg) | | Cost of input | | Incremental income | | Net Return | | Saving in Rs | BC ratio | | | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | | | |
| | | | | 0 | | | | | | | | | | | | | | |

2.11(D) Economic Performance Home Science OFT: (For Nutritional security)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | Nutrient Intake (Unit) | | | | | | | | Anthropometric measurements | | | | | |
|-----------------|---|--|--|--------------------------------|------|------------------------|------|--------------|-----|-----------|------|--------------|-----|-----------------------------|------|-------------------------|------|---------------------|------|
| | | Name of vegetable/Fruit/Product | | Per capita Consumption gm/ day | | Energy (kcal) | | Protein (gm) | | Iron (mg) | | Calcium (mg) | | Increase in Weight (Kg) | | Increase in Height (cm) | | Increase in BMI (%) | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 |
| KVK Hoshangabad | Assessment of freshly prepared soya milk for growth and wellness of juveniles of landless farmers | No milk intake per day by juveniles(1-6year old) | Daily intake of freshly prepared soya milk 50 ml per day /child for 90 days | 0 | 50ml | 0 | 1485 | 0 | 126 | 0 | 26.1 | 0 | 180 | 0 | 0.74 | 0 | 7.4 | 0 | 13 |
| KVK Hoshangabad | Assessment of finger millet porridge for malnutrition lactating mothers | Imbalance nutrient intake by lactating mothers | 100 g of freshly prepared finger millet porridge/day/lactating mothers for 90 days | 0 | 100 | 0 | 336 | 0 | 7.7 | 0 | 3.9 | 0 | 350 | 0 | 19 | 0 | 25.8 | 0 | 2.09 |

2.10 Feedback from KVK to Research System

| Name of KVK | Feedback |
|-----------------|----------|
| KVK Hoshangabad | |

3. Achievements of Frontline Demonstrations (FLD)

3.1. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

| KVK Name | Crop/ Enterprise | Thematic Area | Technology demonstrated | Details of popularization methods suggested to the Extension system | Horizontal spread of technology | | |
|----------|------------------|---------------|-------------------------|---|---------------------------------|----------------|------------|
| | | | | | No. of villages | No. of farmers | Area in ha |
| | | | | | | | |

Note-

- Thematic area should be spelled correct and select only on the given list.
- *Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice, brinjal in place of egg plant etc.
- *Don't press enter key to navigate among col use arrow or tab key
- *don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under Demonstration.
- If crop has been not yet harvested, mark it * on that

3.2 Details of FLDs on Crop to be implemented during 2018-19

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|----------|------|--------|---------------|-------------------------|--------------------------|--|--------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| | | | | | | | | | | | | | | | |

3.3 Economic Impact of FLD

| KVK Name | Technology demonstrated | Name of Crop/ Enterprise | Parameters | | | Cost of cultivation (Rs/ha) | | Gross Return (Rs/ha) | | Average Net Return (Rs/ha) | | Benefit-Cost Ratio (Gross Return / Gross Cost) | |
|----------|-------------------------|--------------------------|----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|--|----------------------|
| | | | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) |
| | | | | | | | | | | | | | |

3.4 Details of FLDs on Agriculture Engineering to be implemented during 2018-19

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|----------|------|--------|---------------|-------------------------|--------------------------|--|--------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| | | | | | | | | | | | | | | | |

3.5 Economic Impact of FLD

| KVK Name | Technology demonstrated | Name of Crop/ Enterprise | Parameters | | | Cost of cultivation (Rs/ha) | | Gross Return (Rs/ha) | | Average Net Return (Rs/ha) | | Benefit-Cost Ratio (Gross Return / Gross Cost) | |
|----------|-------------------------|--------------------------|----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|--|----------------------|
| | | | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

3.6 Details of FLDs on Animal Science to be implemented during 2018-19

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | | | |
|----------|------|--------|---------------|-------------------------|--------------------------|--|--------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|--|--|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

3.7 Economic Impact of FLD

| KVK Name | Technology demonstrated | Name of Crop/ Enterprise | Parameters | | | Cost of cultivation (Rs/ha) | | Gross Return (Rs/ha) | | Average Net Return (Rs/ha) | | Benefit-Cost Ratio (Gross Return / Gross Cost) | |
|----------|-------------------------|--------------------------|----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|--|----------------------|
| | | | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

3.8 Details of FLDs on Fishery to be implemented during 2018-19

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | | | |
|----------|------|--------|---------------|-------------------------|--------------------------|--|--------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|--|--|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

3.9 Economic Impact of FLD

| KVK Name | Technology demonstrated | Name of Crop/ Enterprise | Parameters | | | Cost of cultivation (Rs/ha) | | Gross Return (Rs/ha) | | Average Net Return (Rs/ha) | | Benefit-Cost Ratio (Gross Return / Gross Cost) | |
|----------|-------------------------|--------------------------|----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------|----------------------|--|----------------------|
| | | | Name and unit of Parameter | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

3.10 Details of FLDs on Agriculture Extension to be implemented during 2018-19

| KVK Name | Season & Year | Problem identified | Title | Thematic Area | Source of Technology (Year) | Detail of Technology Demonstrated | Area (ha) | FP (T ₁) | RP (T ₂) | Variety | No. of Village | No of Demonstration | No. of farmers | | | | | |
|----------|---------------|--------------------|-------|---------------|-----------------------------|-----------------------------------|-----------|----------------------|----------------------|---------|----------------|---------------------|----------------|----|--------|---------|-------|--|
| | | | | | | | | | | | | | SC | ST | Others | General | Total | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

3.11 Impact of FLD

| KVK Name | Name of parameter | | | Data on the parameter | | | Result | Feedback from the farmer |
|----------|-------------------|---|---|-----------------------|---|---|--------|--------------------------|
| | 1 | 2 | 3 | 1 | 2 | 3 | | |
| | | | | | | | | |
| | | | | | | | | |

3.12 Information about Home Science FLDs - (For All Thematic Area)

| KVK name | Year | Season | Thematic Area | Problem Identified | Technology to be Demonstrated as Solution to the Identified Problem | Crop/ Enterprise (In which crop Enterprise or Farming Activity) | Name of Variety/Technology/Enterprizes | Farming Situation | Proposed area (ha) | No. of Beneficiaries |
|----------|------|--------|---------------|--------------------|---|---|--|-------------------|--------------------|----------------------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

3.12 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | | | |
|----------|-----------|-----------------------------------|----|---------------------------------|----|--------------|----|-------------------------|----|--------------------------|----|----------------------|----|--------------------------|----|--|--|
| | | Output m ² /h | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Cardiac Cost of Work | | % Saving of cardiac Cost | | | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| | | | | | | | | | | | | | | | | | |

3.12 (B) Economic Performance Home Science FLD: (For Income Genration)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | |
|----------|-----------|-----------------------------------|----|---------------|----|--------------------|----|--------------|----|------------|----|--------------|----------|
| | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Saving in Rs | BC ratio |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

3.12 (C) Economic Performance Home Science FLD: (For value addition)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | | | | | | | | | | | |
|----------|-----------|-----------------------------------|----|------------|----|--------------|----|---------------|----|--------------------|----|------------|----|--------------|----------|--|
| | | Composition of product | | Input used | | outcome (Kg) | | Cost of input | | Incremental income | | Net Return | | Saving in Rs | BC ratio | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

3.12 (D) Economic Performance Home Science FLD: (For Nutritional security)

| KVK name | OFT Title | Performance Indicator / Parameter | | | | Nutrient Intake (Unit) | | | | | | | | Anthropometric measurements | | | | | |
|----------|-----------|-----------------------------------|----|-------------------------------|----|------------------------|----|--------------|----|-----------|----|--------------|----|-----------------------------|----|--------------------------|----|---------------------|----|
| | | Name of vegetable/Fruit/Product | | Per capita Consumption gm/day | | Energy (kcal) | | Protein (gm) | | Iron (mg) | | Calcium (mg) | | Increase in Weight (Kg) | | Increase in Height (cm) | | Increase in BMI (%) | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

3.13 Training and Extension activities proposed under FLD

| KVK Name | Crop | Activity | No. of activities organized | Number of participants | Remarks |
|----------|------|----------|-----------------------------|------------------------|---------|
| | | | | | |
| | | | | | |

3.14 Details of FLD on crop hybrids.

| S. No. | Name of the KVK | Name of the Crop | Name of the Hybrids | Source of Hybrid (Institute/Firm) | No. of farmers | Area in ha. |
|--------|-----------------|------------------|---------------------|-----------------------------------|----------------|-------------|
| | | | | | | |
| | | | | | | |

4. Feedback System

4.1. Feedback of the Farmers to KVK

| Name of KVK | Feedback | | | |
|-------------|---------------------------|------------------|---------------------|-----------------|
| | Technology appropriations | Methodology used | Benefits of OFT/FLD | Future Adoption |
| | | | | |
| | | | | |

4.2. Feedback from KVK to Research System.

| Name of KVK | Feedback basic of OFT on Technology Tested |
|-------------|--|
| | |
| | |

4. Documentation of the need assessment conducted by the KVK for the training programme

| Name of KVK | Category of the training | Methods of need assessment | Date and place | No. of participants involved |
|-------------|--------------------------|----------------------------|----------------|------------------------------|
| | | | | |

Abbreviation Used

| | |
|-----|-------------------------------|
| FW | (A) Farmers & Farm Women |
| RY | (B) Rural Youths |
| IS | (C) Extension Personnel |
| ONC | On Campus Training Programme |
| OFC | Off Campus Training Programme |
| M | Male |
| F | Female |
| T | Total |

Thematic Areas for Training

| | |
|-----|---|
| CRP | Crop Production |
| HOV | Horticulture – Vegetable Crops |
| HOF | Horticulture-Fruits |
| HOO | Horticulture- Ornamental Plants |
| HOP | Horticulture- Plantation crops |
| HOT | Horticulture- Tuber crops |
| HOS | Horticulture- Spices |
| HOM | Horticulture- Medicinal and Aromatic Plants |
| SFM | Soil Health and Fertility Management |
| LPM | Livestock Production and Management |
| WOE | Home Science/Women empowerment |
| AEG | Agril. Engineering |
| PLP | Plant Protection |
| FIS | Fisheries |
| PIS | Production of Inputs at site |
| CBD | Capacity Building and Group Dynamics |
| AGF | Agro-forestry |
| OTH | Others |

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only,
2. For category, training type and thematic area, mention code/abbreviations only

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

| Name of KVK | Category (F &FW/FW) | Training Type (ONC/OFC) | Thematic Area of training | Training Title | No. of Courses | Duration (Days) | Participants | | | | | | | |
|------------------|---------------------|-------------------------|---------------------------|--|----------------|-----------------|--------------|----|----|----|----|----|--------|----|
| | | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| KVK Hoshan gabad | ONC | FW | LPM | Training on care and management of milch animal during summer season | 1 | 1 | 5 | 0 | 6 | 0 | 9 | 0 | 9 | 0 |
| KVK Hoshan gabad | OFC | FW | WOE | Training on designing of nutritional garden according to household requirement | 2 | 1 | 0 | 0 | 0 | 13 | 0 | 16 | 0 | 16 |
| KVK Hoshan gabad | OFC | FW | WOE | Training on Kadaknath Chicks management on different stages | 7 | 1 | 0 | 0 | 0 | 0 | 45 | 70 | 0 | 0 |
| KVK Hoshan gabad | OFC | FW | SFM | Field level training on method of soil sample collection | 20 | 1 | 41 | 32 | 45 | 19 | 39 | 25 | 49 | 35 |
| KVK Hoshan gabad | ONC | FW | WOE | Training on preparation of finger millet porridge | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 14 | 0 | 8 |
| KVK Hoshan gabad | ONC | FW | WOE | Training on Preparation of drumstick | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 6 | 0 | 15 |

| | | | | | | | | | | | | | | |
|------------------|-----|----|-----|--|---|---|---|---|---|---|----|----|----|----|
| | | | | products | | | | | | | | | | |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on Seed treatment of Rice for management of nursery insect pest | 1 | 1 | - | - | - | - | 12 | 7 | - | |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on Management of Rice Stem borer | 1 | 1 | - | - | - | - | 7 | - | 18 | - |
| KVK Hoshan gabad | OFC | FW | WOE | Training on preparation of Soya milk | 2 | 1 | 0 | 0 | 0 | 6 | 0 | 17 | 0 | 26 |
| KVK Hoshan gabad | OFC | FW | LPM | Training on control of Ecto and Endo parasite in farm animals | 1 | 1 | 3 | | 5 | 6 | 7 | | 7 | |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on Management of BPH in Rice | 1 | 1 | 2 | - | 1 | - | 1 | - | 16 | - |
| KVK Hoshan gabad | OFC | FW | SFM | Entrepreneurship training on production of bio fertilizers | 1 | 1 | 3 | 0 | 2 | 0 | 3 | 0 | 2 | 0 |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on Management of Pod borer complex in pigeon | 1 | 1 | - | - | - | - | 18 | 4 | - | - |
| KVK Hoshan gabad | OFC | FW | LPM | Training on feeding management in dairy animals | 1 | 1 | 5 | 0 | 7 | 4 | 2 | 6 | 4 | 2 |
| KVK Hoshan | ONC | FW | LPM | Training on care and | 1 | 1 | 3 | 0 | 8 | 0 | 0 | 8 | 4 | 3 |

| | | | | | | | | | | | | | | |
|------------------|-----|----|-----|---|---|---|----|----|---|----|----|----|---|----|
| gabad | | | | management of new born calves | | | | | | | | | | |
| KVK Hoshan gabad | ONC | FW | LPM | Training on management of mastitis in dairy animals | 1 | 1 | 5 | 7 | 0 | 0 | 4 | 0 | 9 | 3 |
| KVK Hoshan gabad | OFC | FW | HOV | Training on nursery raising of Cabbage | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 1 |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on seed treatment of chickpea for management of wilt disease | 1 | 1 | 3 | - | 5 | - | 5 | 2 | 5 | - |
| KVK Hoshan gabad | OFC | FW | HOV | Training on nursery raising of Tomato | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| KVK Hoshan gabad | OFC | FW | WOE | Training on designing of nutritional garden according to household requirement | 2 | 1 | 0 | 10 | 0 | 6 | 0 | 13 | 0 | 17 |
| KVK Hoshan gabad | OFC | FW | ICT | Training on crop residue management on farmer field | 1 | 1 | 0 | 0 | 0 | 2 | 17 | 4 | 0 | 0 |
| KVK Hoshan gabad | ONC | FW | LPM | Training on Azolla production | 1 | 1 | 18 | 12 | 8 | 4 | 9 | 0 | 6 | 2 |
| KVK Hoshan gabad | OFC | FW | HOV | Training on transplantation of Tomato | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on Management of gram pod borer in chickpea | 1 | 1 | - | 1 | - | 10 | 7 | 8 | - | 9 |

| | | | | | | | | | | | | | | |
|------------------|-----|----|-----|--|---|---|----|---|----|---|----|----|----|----|
| KVK Hoshan gabad | OFC | FW | HOV | Training on Off season vegetables | 1 | 1 | 0 | 0 | 0 | 2 | 4 | 11 | 1 | 12 |
| KVK Hoshan gabad | ONC | FW | CP | Training on establishment of seed society | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 |
| KVK Hoshan gabad | OFC | FW | CP | Training on weed management in Wheat | 1 | 1 | 01 | 0 | 06 | 0 | 18 | 0 | 0 | 0 |
| KVK Hoshan gabad | OFC | FW | CP | Training on rouging in Wheat & chickpea | 1 | 1 | 0 | 0 | 04 | 0 | 21 | 0 | 0 | 0 |
| KVK Hoshan gabad | OFC | FW | HOV | Training on Off season vegetables | 1 | 1 | 0 | 0 | 2 | 3 | 0 | 0 | 4 | 2 |
| KVK Hoshan gabad | OFC | FW | HOV | Training Protective cultivation | 1 | 1 | 0 | 0 | 1 | 0 | 16 | 0 | 2 | 0 |
| KVK Hoshan gabad | OFC | FW | HOV | Training on Protective cultivation | 1 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| KVK Hoshan gabad | OFC | FW | WOE | Training on backyard poultry farming | 1 | 1 | 0 | 3 | 0 | 8 | 0 | 3 | 0 | 6 |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on seed treatment of green gram for management of YMV | 1 | 1 | - | - | - | - | - | - | 20 | - |
| KVK Hoshan gabad | OFC | FW | PLP | Training programme on preparation and installation Yellow sticky trap | 1 | 1 | - | - | - | - | 4 | - | 18 | - |
| KVK | OFC | FW | ICT | Training on | 1 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 13 | 0 |

| | | | | | | | | | | | | | | |
|------------------|-----|----|-----|---|---|---|---|---|---|---|---|---|---|---|
| Hoshan gabad | | | | crop residue management on farmer field | | | | | | | | | | |
| KVK Hoshan gabad | OFC | FW | HOV | Training on intercropping of coriander in sugarcane | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 |

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

| Name of KVK | Category (RY) | Training Type (ONC/OFC) | Thematic Area of training | No. of Courses | Duration (Days) | Participants | | | | | | | | |
|-------------|---------------|-------------------------|---------------------------|----------------|-----------------|--------------|---|----|---|----|---|--------|---|--|
| | | | | | | Gen | | SC | | ST | | Others | | |
| | | | | | | M | F | M | F | M | F | M | F | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

| Name of KVK | Category (IS) | Training Type (ONC/OFC) | Thematic Area of training (if other please specify name) | No. of Courses | Duration (Days) | Participants | | | | | | | |
|-----------------|---------------|-------------------------|---|----------------|-----------------|--------------|---|----|---|----|---|--------|---|
| | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | M | F | M | F | M | F | M | F |
| KVK Hoshangabad | IS | ONC | (HOV) Protected Cultivation | 1 | 1 | 3 | 0 | 1 | 0 | 1 | 0 | 5 | 0 |
| KVK Hoshangabad | IS | ONC | (PLP) Training on insect pest management of rice & pigeon pea | 1 | 1 | 8 | 0 | 2 | 0 | 3 | 0 | 6 | 0 |
| KVK Hoshangabad | IS | ONC | (WOE)Promotion of nutritional garden in Aganwadi Kendra | 1 | 1 | 0 | 4 | 0 | 7 | 0 | 3 | 0 | 4 |
| KVK Hoshangabad | IS | ONC | (ICT)Training programme on effective use of ICT tools | 1 | 1 | 9 | 0 | 0 | 0 | 3 | 0 | 3 | 0 |
| KVK Hoshangabad | IS | ONC | (PLP)Training programme on insect pest management of chickpea | 1 | 1 | 9 | 0 | 0 | 0 | 3 | 0 | 3 | 0 |

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

| Name of KVK | Thematic Area | Training title | Name of Crop / Enterprise | Identified Thrust Area | No of Courses | Duration of training (days) | Number of Beneficiaries | | | | | | | |
|-----------------|---------------|---|---------------------------|------------------------|---------------|-----------------------------|-------------------------|---|----|---|----|---|--------|---|
| | | | | | | | Gen | | SC | | ST | | Others | |
| | | | | | | | M | F | M | F | M | F | M | F |
| KVK Hoshangabad | PLP | Training programme on Kusmi lac production | Lac production | Income generation | 1 | 10 | - | - | - | - | - | - | 2 | 8 |
| KVK Hoshangabad | PLP | Training programme on Silk cocoon production | Silk production | Income generation | 1 | 10 | - | - | 3 | - | 2 | - | 5 | - |
| KVK Hoshangabad | LPM | Training programme on dairy management for rural youth | Dairy | Income generation | 1 | 20 | 3 | | | | 2 | 1 | 4 | |
| KVK Hoshangabad | SFM | Training programme on skilled based production of Vermicompost, grading, packing and sale | Vermicompost | Income generation | 1 | 20 | | | | | 22 | | | |
| KVK Hoshangabad | WOE | Training programme on school dropout girls on backyard poultry | Backyard Poultry | Income generation | 1 | 7 | 0 | 0 | 0 | 0 | 3 | 7 | 0 | 0 |
| KVK Hoshangabad | WOE | Training programme for rural women on garment making for self employment | Garment Making | Income generation | 1 | 90 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 0 |

Table 5.5. Sponsored Training Programmes

| Name of KVK | Title | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/ RY/ IS) | Duration (days) | No. of courses | No. of Participants | | | | | | | | Sponsoring Agency | Fund received for training (Rs.) |
|-----------------|--|--|--|---------------------|-----------------|----------------|---------------------|---|--------|---|----|---|----|---|--|----------------------------------|
| | | | | | | | Gen | | Others | | SC | | ST | | | |
| | | | | | | | M | F | M | F | M | F | M | F | | |
| KVK Hoshangabad | Awareness Programme on storage for Farmers & Millers | EXT | | FW | 2 | 1 | | 3 | 16 | 0 | 4 | 2 | 16 | 7 | Warehousing Development & Regulatory Authority , New Delhi | 47470 |
| KVK Hoshangabad | 3 Days Residential Training Programme on Organic Farming | EXT | | FW | 3 | 1 | 1 | 0 | 8 | 0 | 2 | 0 | 7 | 0 | ATMA Jabalpur M.P | 23680 |
| KVK Hoshangabad | 1 Day Residential Training Programme on Organic Farming | EXT | | FW | 1 | 1 | 10 | 2 | 1 | 0 | 4 | 2 | 1 | 0 | ATMA Burhanpur M.P | 12000 |
| KVK Hoshangabad | 3 Days Residential Training Programme on Organic Farming | EXT | | FW | 3 | 1 | 15 | 0 | 5 | 0 | 3 | 0 | 2 | 0 | ATMA Rewa M.P | 29250 |

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

| Name of KVK | Training title | Self employed after training | | | Number of persons employed else where |
|-------------|----------------|------------------------------|-----------------|----------------------------|---------------------------------------|
| | | Type of units | Number of units | Number of persons employed | |
| | | | | | |

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

| Name of KVK | Title | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/RY/IS) | Duration (days) | No. of courses | No. of Participants | | | | | | | | Sponsoring Agency | Fund received for training (Rs.) |
|-------------|-------|--|--|-------------------|-----------------|----------------|---------------------|---|--------|---|----|---|----|---|-------------------|----------------------------------|
| | | | | | | | Gen | | Others | | SC | | ST | | | |
| | | | | | | | M | F | M | F | M | F | M | F | | |
| | | | | | | | | | | | | | | | | |

Table 5.8 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

| Name of KVK | Title of the training | No. of trainees | Change in knowledge (Score) | | Change in Production (q/ha) | | Change in Income (Rs) | | Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income |
|-------------|-----------------------|-----------------|-----------------------------|-------|-----------------------------|-------|-----------------------|-------|--|
| | | | Before | After | Before | After | Before | After | |
| | | | | | | | | | |

6. EXTENSION ACTIVITIES

| Name of the KVK | Activity | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants | | | | | | Remarks | | |
|-----------------|-----------------------------------|------------------------------|------------------------------|------------------------|-----|-----------------|-----|---------------------|----|-------------------------|------------------------|-----------------|
| | | | | Farmers (Others) | | SC/ST (Farmers) | | Extension Officials | | Purpose | Topic s | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| KVK Hoshangabad | Advisory Services | 200 | 365 | 319 | 40 | 412 | 36 | 0 | 0 | Advisory | Various Topics | Differed stages |
| KVK Hoshangabad | Animal Health Camp | 3 | 6 | 92 | 42 | 35 | 36 | 28 | 0 | For Treatment of animal | Animal health camp | NA- |
| KVK Hoshangabad | Animal Health Campaign | 12 | 12 | 82 | 46 | 45 | 28 | 6 | 0 | Prevention of disease | Vaccination in animals | NA |
| KVK Hoshangabad | Awareness programme | 12 | 12 | 73 | 33 | 48 | 23 | 0 | 0 | awareness | Various Topics | Differed stages |
| KVK Hoshangabad | Celebration of important days | 10 | 10 | 95 | 24 | 76 | 64 | 0 | 0 | awareness | Various Topics | Differed stages |
| KVK Hoshangabad | Diagnostic visits | 50 | 57 | 107 | 0 | 116 | 0 | 0 | 0 | advisory | Various Topics | Differed stages |
| KVK Hoshangabad | Exhibition | 2 | 5 | 52 | 12 | 66 | 13 | 0 | 0 | awareness | Various Topics | Differed stages |
| KVK Hoshangabad | Extension Literature | 10 | 22 | NA | NA | NA | NA | NA | NA | awareness | Various Topics | Differed stages |
| KVK Hoshangabad | Farm advisory Services | 100 | 151 | 172 | 40 | 240 | 36 | 0 | 0 | advisory | Various Topics | Differed stages |
| KVK Hoshangabad | Farmers Seminar/Workshop | 2 | 2 | 36 | 0 | 25 | 0 | 0 | 0 | awareness | Water harvesting | NA |
| KVK Hoshangabad | Farmers visit to KVK | 200 | 1330 | 671 | 167 | 394 | 98 | 0 | 0 | To gain information | Various Topics | Differed stages |
| KVK Hoshangabad | Film Show | 6 | 3 | 36 | 6 | 57 | 31 | 2 | 0 | To provide information | Various Topics | Differed stages |
| KVK Hoshangabad | Kisan Ghosthi | 12 | 17 | 278 | 31 | 403 | 45 | 0 | 0 | awareness | Various Topics | Differed stages |
| KVK Hoshangabad | Kisan Mela | 1 | 2 | 268 | 110 | 231 | 100 | | | Awareness | Various Topics | Differed stages |
| KVK Hoshangabad | Mahila Mandals conveners meetings | 5 | 6 | 0 | 32 | 63 | 82 | 0 | 0 | Awareness | Nutritional | NA |
| KVK Hoshangabad | Method Demonstrations | 6 | 6 | 52 | 10 | 45 | 13 | 0 | 0 | Awareness | Plant protection | NA |
| KVK Hoshangabad | Newspaper coverage | 6 | 38 | NA | NA | NA | NA | NA | NA | Awareness | Various Topics | NA |
| KVK Hoshangabad | Popular articles | 12 | 15 | NA | NA | NA | NA | NA | NA | Awareness | Various Topics | NA |
| Awareness | Radio talks | 3 | 6 | NA | NA | NA | NA | NA | NA | Awareness | Various Topics | NA |

| Name of the KVK | Activity | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants | | | | | | Remarks | | |
|-----------------|------------------------------------|------------------------------|------------------------------|------------------------|----|-----------------|----|---------------------|----|---------------------------|----------------------------------|------------------|
| | | | | Farmers (Others) | | SC/ST (Farmers) | | Extension Officials | | Purpose | Topic s | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| KVK Hoshangabad | Scientific visit to farmers field | 40 | 96 | 180 | 30 | 430 | 57 | 0 | 0 | Awarenes s | Plant protection | Different Stages |
| KVK Hoshangabad | Self Help Group conveners meetings | 3 | 4 | 0 | 32 | 0 | 36 | 0 | 0 | Awarenes s | Capacity building | NA |
| KVK Hoshangabad | Soil health Camp | 10 | 10 | 44 | 34 | 43 | 24 | 0 | 0 | Soil fertility management | Nutrient management | NA |
| KVK Hoshangabad | Soil test campaigns | 10 | 10 | 46 | 33 | 41 | 20 | 0 | 0 | Soil fertility management | Soil testing awareness campaigns | NA |
| KVK Hoshangabad | TV talks | 3 | 6 | NA | NA | NA | NA | NA | NA | Various topics | Various topics | NA |

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

| KVK Name | Date of start | Periodicity | Number of copies printed | Number of copies distributed |
|-------------|----------------------------|-------------|--------------------------|------------------------------|
| Hoshangabad | 1 st April 2018 | 3 months | 4 | 3000 |

7.2 Literature developed/published

| KVK Name | Type | Title | Author's name | Number of copies |
|-----------------|---|--|---|-----------------------|
| KVK Hoshangabad | Dainik Bhaskar Agro bhaskar dated 20th | Benefit of Off season tomato cultivation and yield increase through hybrid variety | Lavesh Kumar Chourasia | Printed by publishers |
| KVK Hoshangabad | Krishak Jagat Popular Article dated 19 November | Retention of placenta is harmful for milch animals | Dr. Diwakar Verma, Brajesh Kumar Namdev & Pankaj Sharma | |
| KVK Hoshangabad | Dainik Bhaskar Agro bhaskar dated 11 th December | Chick pea Fruit borer protection through taking linseed crop | Brajesh Kumar Namdev | |
| KVK Hoshangabad | Krishak Aradhana dated 21 st Jaunary 2019 | How to improve milk yield in winter season | Dr. Diwakar Verma, | |
| KVK Hoshangabad | Krishi Sewa popular article dated 03/02/2019 | Types of soil found in India | Dr. Praveen Solanki | |
| KVK Hoshangabad | Krishak Doot dated 05/02/2019 to 11/02/2019 | Improved cultivation of Tomato | Lavesh Kumar Chourasia | |
| KVK Hoshangabad | Krishak Doot Popular article dated 05/02/2019 to 11/02/2019 | Types of seed and their treatment | Dr. Akanchha Pandey | |
| KVK Hoshangabad | Krishak Aradhana dated 11 th February 2019 | Importance of A2 Milk | Dr. Diwakar Verma, | |
| KVK Hoshangabad | Krishi Pahal month March 2019 | Azolla is ptoein rich feed for animal | Dr. Diwakar Verma | |
| KVK Hoshangabad | Krishi Pahal month March 2019 | Chilly and Capsicum | Lavesh Kumar Chourasia | |
| KVK Hoshangabad | Krishak nidan quarterly magazine January to March 2019 | Importance of Kitchen gardening for humanl health | Dr. Akanchha Pandey | |
| KVK Hoshangabad | Krishi Pahal month March 2019 | Storage of wheat | Dr. Akanchha Pandey | |
| KVK Hoshangabad | Krishi Pahal month March 2019 | Land leveling by Land lessor Leveler | Dr. sanjeev Kumar Garg and Rahul Manjhi | |
| KVK Hoshangabad | Krishi Pahal month March 2019 | Don't burn crop residue and save fertility of farm land | Dr. sanjeev Kumar Garg and Rahul Manjhi | |
| KVK Hoshangabad | Krishi Pahal month March 2019 | Improved technology for production of spring Green Gram | Dr. Devidas Patel | |
| KVK Hoshangabad | Krishak Jagat 03 December 2018 | role of beneficial microbes in seed treatment | Brajesh Kumar Namdev | |
| KVK Hoshangabad | Krishak Jagat 24 December | Lakh se bne lakhpati | Brajesh Kumar Namdev | |

| | | | | |
|-----------------|--|---|----------------------|-----|
| | 2018 | | | |
| KVK Hoshangabad | Krishak Jagat 28 January 2019 | Management of Pod Borer in chickpea | Brajesh Kumar Namdev | |
| KVK Hoshangabad | Krishak Jagat 28 January 2019 | Use Egg parasite <i>Trichogramma</i> in Biological pest management | Brajesh Kumar Namdev | |
| KVK Hoshangabad | August 2018 developed and published by KVK | Training manual for safe use of Pesticide | Brajesh Kumar Namdev | 500 |

7.3 Details of Electronic Media Produced

| KVK Name | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|-----------------|--|---|--------|
| KVK Hoshangabad | No CD/DVD prepared only share in social media specially You tube channel | Soil testing, Azolla production, Insect management of chickpea , seed treatment of sugarcane, jiggery production, PRA process | 6 |

8. Production and supply of Technological products

8.1 SEED production

| KVK Name | Major group/class | Crop | Variety | Quantity (qt.) | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|----------|-------------------|------|---------|----------------|-------------|----------------------------|------------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

8.2 Planting Material production

| KVK Name | Major group/class | Crop | Variety | Nos. | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|----------|-------------------|------|---------|------|-------------|----------------------------|------------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

* Name of product should follow same pattern and spelled correct

| KVK Name | Major Group Bio agent/Bio fertilizers/Bio Pesticides | Name of the Product | Qty (In Kg) | Qty (In No) | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|-----------------|--|-------------------------|-------------|-------------|-------------|----------------------------|------------------------------|
| KVK Hoshangabad | Bio Agents | Bio dynamic Culture S 9 | 300 | 3 | 75000 | 300 | 120 |
| | Bio Fertilizer | | | | | | |
| | Bio-Food | | | | | | |
| | Bio Pesticides | | | | | | |
| | Others (Pl Specify) | Vermicompost | 15850 | 158.5 | 120850 | 317 | 126 |

8.4 Livestock and fisheries production

| KVK Name | Name of the animal / bird / aquatics | Breed | Type of Produce | Qty. (kg/qt./litre) | Value (Rs.) | No. of Beneficiaries |
|-------------|--------------------------------------|---------|-----------------|----------------------|-------------|----------------------|
| Hoshangabad | Cows | Sahiwal | Milk | 25550 litre in year | 766500 | 42 |
| | | | Ghee | 34 kg | 34000 | 22 |
| | | | Urine | 3500 litre | 21000 | 12 |
| | | | Cow dung | 175 q | 21000 | 4 |
| | | | Slurry | 225 q | 31500 | 5 |
| | | | | | | |

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

| KVK Name | Status of establishment of Lab | Year of establishment | Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized | Soil report distributed to the farmers (Nos) |
|-------------|--------------------------------|-----------------------|--|----------------|----------------|-----------------|--|--|
| Hoshangabad | Not established | - | Analysis is doing by Mini soil testing kit | 363 | 363 | 40 | 4 Mini Soil Testin Kits Were There While KVK Was Shifted Form Pawarkheda | 363 |

9.2 Details of water samples analyzed so far :

| KVK Name | Status of establishment of Lab | Year of establishment | Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized | Water report distributed to the farmers (Nos) |
|----------|--------------------------------|-----------------------|---------|----------------|----------------|-----------------|-----------------|---|
| | NA | - | - | - | - | - | - | - |

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

| Name of KVK | Date | Title of the training course | Client (PF/RV/EF) | No. of Courses | No. of Participants including SC/ST | | | No. of SC/ST Participants | | |
|-------------|------|------------------------------|-------------------|----------------|-------------------------------------|--------|-------|---------------------------|--------|-------|
| | | | | | Male | Female | Total | Male | Female | Total |
| | | | | | | | | | | |

11. Utilization of Farmers Hostel facilities NOT AVAILABLE

| KVK Name | Months | Year | Title of the training course | Duration of training | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) | Accommodation available (No. of beds) |
|----------|--------|------|------------------------------|----------------------|------------------------|----------------------------|--------------------------------|---------------------------------------|
| | | | | | | | | |

12. Utilization of Staff Quarters facilities NOT AVAILABLE

| KVK Name | Year of construction | Year of allotment | No. of quarters occupied | No. of quarters vacant | Reasons for vacant quarters, if any |
|----------|----------------------|-------------------|--------------------------|------------------------|-------------------------------------|
| | - | - | - | - | - |

13. Details of SAC Meeting

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations |
|-------------|---------------------|-----------------------------|---|
| Hoshangabad | 23.02.2019 | 30 | OFT on organic farming |
| | | | Awareness program should be organized on soil health card |
| | | | Soybean Crop should be taken in Kharif Program |
| | | | Lac Production should be promoted in Pigeon Pea |
| | | | Linseed Crop Should be taken in Rabi Program |
| | | | Intercropping in sugarcane should be promoted |
| | | | Azolla, Hydroponics, urea treatment of wheat straw should be promoted |
| | | | Nutrition campaign per month to increase nutrition security |
| | | | Organic vegetable production should be promoted |
| | | | Water conservation/Harvesting should be promoted |
| | | | Awareness program on crop residue management |
| | | | Stem borer problem in paddy crop |

14. Status of Kisan Mobile Advisory (KVK-KMA)

| KVK Name | No. of messages sent | No. of beneficiary | | Total Number of villages | Number of villages covered | Sponsoring agency (NIC, Farmers Portal, etc.) | Major recommendations |
|-------------|----------------------|--------------------|------------|--------------------------|----------------------------|---|-----------------------|
| | | Farmers | Ext. Pers. | | | | |
| Hoshangabad | 26 | 52855 | 330 | 927 | 818 | DAC-Website | Plan Protection |

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

| KVK Name | Name of scheme | Name of Agency (Central/state) | Funds received (Rs.) | Activities organized | Operational Area | Remarks |
|-------------|---------------------|--------------------------------|----------------------|----------------------|------------------|---------|
| Hoshangabad | ATMA | Central | 25,000 | DAISI | Input dealers | Ongoing |
| Hoshangabad | Kdaknath Production | State | - | Kdaknath Poultry | Village Chakar | Ongoing |

16. Status of Revolving Funds (Rs.)

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|-------------|----------------|-----------------------|-----------------------|----------------------|
| Hoshangabad | 13221900000329 | 0 | 1,16,333.00 | 1,16,333.00 |

17. Awards & Recognitions nil

| KVK Name | Name of award /awardee | Type of award (Ind./Group/Inst./Farmer) | Awarding Organizations | Amount received |
|----------|------------------------|---|------------------------|-----------------|
| | | | | |
| | | | | |
| | | | | |

18. Details of KVK Agro-technological Park.

a) Have you prepared layout plan, where sent?

| S.No. | Name of KVK | Technology park proposal developed(yes/no) | If yes, where sent ? (ZPD/DES/any other, pl. sp.) |
|-------|-------------|--|---|
| NA | NA | NA | NA |

b) Details about Technology Park

| Name of KVK | Name of Component of Park | Detail Information (If established) |
|-------------|---------------------------|---|
| | Crop Cafeteria | Green gram 4 varieties , Rice 6 varieties , Chickpea 13 varieties , wheat 13 varieties, linseed 2 varieties, soybean 6 varieties, |
| | Technology Desk | |
| | Visitors Gallery | |
| | Technology Exhibition | 1 |
| | Technology Gate-Valve | |

c). Crop Cafeteria-

| Sr. No. | Theme of Crop Cafeteria | No. of Crop Cafeteria |
|---------|-------------------------|-----------------------|
| 1 | Varietal evaluation | 1 |

19. Farm Innovators- list of 10 Farm Innovators from the District

| Sr. No. | Name of KVK | Name of Farm Innovator | Name of the Innovation | Address of the farmer with Mobile No. |
|---------|-----------------|------------------------|----------------------------------|---|
| 1 | KVK Hoshangabad | Mr. Gopal Kushwaha | Integrated farming and IPM | Village Tindwada Tehsil Bankhedi District Hoshnagabad 9098824893 |
| 2 | KVK Hoshangabad | Mr. Hazarilal Kushwaha | Integrated farming and IPM | Bankhedi District Hoshangabad 9993711217 |
| 3 | KVK Hoshangabad | Mr. Mukesh Kushwaha | Integrated farming and IPM | Bankhedi District Hoshangabad 9074478106 |
| 4 | KVK Hoshangabad | Mr. Akhilesh Choudhary | Organic Farming and IPM | Village Jamuniya Tehsil Bankhedi District Hoshnagabad 7089878022 |
| 5 | KVK Hoshangabad | Mr. Lakhan kushwaha | Integrated farming and IPM | Village Semri Harchand Tehsil Suhagpur Distrcet Hoshangabad 9098437812 |
| 6 | KVK Hoshangabad | Mr. Anil Baroliya | Good farming with Record keeping | Village Paliya Pipariya Tehsil Bankhedi District Hoshnagabad 9826432070 |
| 7 | KVK Hoshangabad | Mr. Raja Paliya | Mango Orchard | Village Hathwas Tehsil Bankhedi District Hoshnagabad 9981120711 |
| 8 | KVK Hoshangabad | Mr. Deepak Kushwaha | Integrated farming and IPM | Village Junheta Tehsil Bankhedi District Hoshnagabad 8319173655 |
| 9 | KVK Hoshangabad | Mr. Yashwant Kushwaha | Integrated farming | Village Tindwada Tehsil Bankhedi District Hoshnagabad 9098824893 |
| 10 | KVK Hoshangabad | Mr. Pradeep Swami | Integrated farming | Bankhedi District Hoshangabad 9977430591 |

20. KVK interaction with progressive farmers

| Sr. No. | Date and month of interaction programme with progressive farmers | No. of progressive farmers to be participated |
|---------|--|---|
| | | |
| | | |

21. Outreach of KVK

| Name of KVK | Number of Blocks | | Number of Villages | |
|-------------|------------------|-----------|--------------------|-----------|
| | Intensive | Extensive | Intensive | Extensive |
| Hoshangabad | 3 | 4 | 20 | 906 |
| | | | | |

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, CFLD if applicable.

| Sr. No. | Name of crop under Technology demonstration | Area under the programme | No. of Extension Activities | Remarks / Lessons learnt |
|---------|---|--------------------------|-----------------------------|--------------------------|
| 1 | Soybean | 10 | 1 | |
| | Sesame | 10 | 1 | |
| | Mustard | 10 | 1 | |

23. KVK Ring

| Sr. No. | Name of Ring Partner | Sharing Activity | Lessons learnt/ Experiences gained. |
|---------|----------------------|------------------|-------------------------------------|
| 1 | KVK Harda | - | - |
| 2 | KVK Narsinghpur | - | - |

24. Important visitors to KVK

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|-----------------|--------------------------------------|---------------|------|------|--|---|
| KVK Hoshangabad | Shri Shivraj singh Chouhan | 12/11/2017 | | | Ex CM M.P | Inauguration of KVK |
| KVK Hoshangabad | Mr. Shiv Kumar Sharma | 30/05/2018 | - | - | Joint Director, Women and Child Development Department Hoshangabad | Interaction with KVK scientist on nutrition literacy was satisfactory |
| KVK Hoshangabad | Mr. Hemant Vijay Rao Deshmukh | 01/06/2018 | - | - | President M.P Skill Development and Employment generation Board | Organic Farming model of KVK appreciated |
| KVK Hoshangabad | Mrs. Priyanka Das | 12/08/2018 | - | - | Collector, Hoshangabad | Organic Farming model of KVK appreciated |
| KVK Hoshangabad | Mrs. Anandiben Patel | 12/08/2018 | - | - | Governor M.P | Organic Farming model of KVK appreciated |
| KVK Hoshangabad | Dr. A. K. Asthana | 27/08/2018 | - | - | Director Cooperative Management institute Bhopal | Desi Cow breed improvement work good |
| KVK Hoshangabad | Mr. Naresh Tijare | 29/08/2018 | - | - | District Development Manager NABARD | Organic Farming model of KVK appreciated |
| KVK Hoshangabad | Mr. Nitin Kumar Verma & Sreejit Basu | 30/08/2018 | - | - | Indian Oil Corporation | Appreciated Organic Farming model of KVK |
| KVK Hoshangabad | Mr. Thakur Das Nagvanshi | 05/09/2018 | - | - | MLA Pipariya Hoshangabad | Organic Farming model of KVK appreciated |
| KVK Hoshangabad | Mr. K.K Deshmukh | 28/12/2018 | - | - | Deputy Director veterinary Services Hoshangabad | Appreciated Organic Farming model of KVK |
| KVK Hoshangabad | Mr. M.L Dilwaria | 07.02.2019 | - | - | PD ATMA Hoshangabad | Appreciated Organic Farming model of KVK |

25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---------|-------------|--------------------------|--------------------------------|-----------------|
| | Hoshangabad | July 2018 | 250 | 700 |

26. E-CONNECTIVITY

| Name of KVK | Number and Date of Lecture delivered from KVK Hub | | | | No. of lectors organized by KVK | Brief achievements | Remarks |
|-------------|---|-----------------------|-------------------------------|--------------------------------|---------------------------------|--------------------|---------|
| | Date | No. of Staff attended | No. of call received from Hub | No. of Call mate to Hub by KVK | | | |
| | | | | | | | |

27. Status of RTI

| Sr. No. | Name of KVK | No. of RTI applications received | No. of RTI appeals | Remarks |
|---------|-------------|----------------------------------|--------------------|---------|
| | | | | |

28. Status of Citizen Charter

| Sr. No. | Name of KVK | Query received(Nos) | Query Disposed(Nos) | Remarks |
|---------|-------------|----------------------|----------------------|---------|
| | | | | |

29. Attended HRD Programmes organized by ZPD

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-----------------|---------------|-------------|--------------------------|---------------|
| KVK Hoshangabad | Rahul Majhi | PA Computer | 1 | App developer |
| | Total | | | |

| Name of KVK | Total Number of staff Attended HRD Programme organized by ZPD (nos) | Total Number of Programme attended (Nos) |
|-------------|---|--|
| | | |

30. Attended HRD Programmes organized by DES

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-------------|---------------|-----------|--------------------------|---------|
| | | | | |

| Name of KVK | Total Number of staff Attended HRD Programmes organized by DES (nos) | Total Number of Programmes attended (Nos) |
|-------------|--|---|
| | | |

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

| Name of KVK | Name of Staff | Post held | Programmes attended (Nos) | Remarks |
|-----------------|----------------------|------------------------|---------------------------|---------|
| KVK Hoshangabad | Brajesh Kumar Namdev | Scientist & Head (i/c) | 1 | |

| Name of KVK | Total Number of staff Attended HRD Programmes by KVK staff (nos) | Total Number of Programmes attended (Nos) |
|-----------------|--|---|
| KVK Hoshangabad | 1 | 1 |

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

| Name of KVK | Alert observed | Particulars | Reported to organization |
|-----------------|----------------------|---------------------------------------|--------------------------|
| KVK Hoshangabad | <i>Tuta absoluta</i> | American leaf minor/ Tomato pink worm | ATARI & DES Jabalpur |

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|-----------------|---|-------------------|------------------------|-----------------------------------|
| KVK Hoshangabad | Gosthies | 5 | 75 | crop/livestock technology |
| KVK Hoshangabad | Lectures organized | 5 | 77 | crop |
| KVK Hoshangabad | Exhibition | 5 | 143 | crop/livestock technology |
| KVK Hoshangabad | Film show | 3 | 132 | crop/livestock technology |
| KVK Hoshangabad | Fair | 2 | 709 | crop/livestock technology |
| KVK Hoshangabad | Farm Visit | 57 | 223 | crop/livestock technology |
| KVK Hoshangabad | Diagnostic Practical's | 0 | | |
| KVK Hoshangabad | Distribution of Literature (No.) | 22 | 3000 | crop/livestock technology |
| KVK Hoshangabad | Distribution of Seed (q) | 0 | | |
| KVK Hoshangabad | Distribution of Planting materials (No.) | 0 | | |
| KVK Hoshangabad | Bio Product distribution (Kg) | Verimicompost | 317 | crop/livestock technology |
| KVK Hoshangabad | Bio Fertilizers (q) | 0 | | |
| KVK Hoshangabad | Distribution of fingerlings | 0 | | |
| KVK Hoshangabad | Distribution of Livestock specimen (No.) | 0 | | |
| KVK Hoshangabad | Total number of farmers visited the technology week | 0 | | |
| KVK Hoshangabad | Animal health camp | 6 | 180 | Livestock technology |
| KVK Hoshangabad | Awareness programme | 12 | 219 | crop/livestock technology |
| KVK Hoshangabad | Cashless Transaction Week | 0 | 0 | |
| KVK Hoshangabad | Celebration of important days (Parthenium eradication week, Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day) | 10 | 652 | Crop/Livestock/swachhta |
| KVK Hoshangabad | Demonstration | 0 | | |
| KVK Hoshangabad | Exposure visit | 0 | | |
| KVK Hoshangabad | Extension activity | 24 | 3000 | crop/livestock technology |
| KVK Hoshangabad | Ex-trainees Meet | 0 | | |
| KVK Hoshangabad | Farmer scientist interaction | 365 | 807 | crop/livestock technology |
| KVK Hoshangabad | Farmers Training | 59 | 700 | crop/livestock technology |

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|-----------------|------------------------------------|-------------------|------------------------|-----------------------------------|
| KVK Hoshangabad | Field Day | 0 | | |
| KVK Hoshangabad | Field visit | 151 | 488 | crop/livestock technology |
| KVK Hoshangabad | Gajarghans Unmulan Pakhwada | 2 | 40 | crop/livestock technology |
| KVK Hoshangabad | Group Meeting | 3 | 45 | crop/livestock technology |
| KVK Hoshangabad | Hindi diwas pakhwada | 1 | 20 | crop/livestock technology |
| KVK Hoshangabad | Jai Kisan Jai Vigyan Sangoshthi | 0 | | |
| KVK Hoshangabad | Narmada sewa Yatra | 0 | | |
| KVK Hoshangabad | News Paper/Mass Media | 50 | 5000 | crop/livestock technology |
| KVK Hoshangabad | Plant health camp | 0 | | |
| KVK Hoshangabad | Plant Protection Week | 0 | | |
| KVK Hoshangabad | Scientists visits in farmers field | 96 | 363 | crop/livestock technology |
| KVK Hoshangabad | Seed treatment campaign | 6 | 120 | crop/livestock technology |
| KVK Hoshangabad | Self Help Group convener meet | 4 | 72 | crop/livestock technology |
| KVK Hoshangabad | Soil health Camp | 20 | 485 | crop/livestock technology |
| KVK Hoshangabad | Swachha Bharat Abhiyan | 2 | 350 | crop/livestock technology |
| KVK Hoshangabad | Technology Week | 0 | | |
| KVK Hoshangabad | Van Mahotsava | 0 | | |
| KVK Hoshangabad | Others (Pl. Specify) | | | |

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties Nil

| Name of KVK | Crops/cultivars | Area (ha) | Number of beneficiaries |
|-------------|-----------------|-----------|-------------------------|
| | | | |

Major area coverage under alternate crops/varieties

| Name of KVK | Crops | Area (ha) | Number of beneficiaries |
|-------------|-------|-----------|-------------------------|
| | | | |

Farmers-scientists interaction on livestock management

| Name of KVK | Livestock components | Number of interactions | No. of participants |
|-------------|----------------------|------------------------|---------------------|
| | | | |

Animal health camps organized

| Name of KVK | Number of camps | No.of animals | No.of farmers |
|-------------|-----------------|---------------|---------------|
| | | | |

Seed distribution in drought hit states

| Name of KVK | Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|-------------|-------|----------------|-----------------------|-------------------|
| | | | | |

Seedlings and Saplings distributed

| Name of KVK | Crops | Quantity (No.s) | Coverage of area (ha) | Number of farmers |
|------------------|-------|-----------------|-----------------------|-------------------|
| Seedlings | | | | |
| | | | | |

Bio-control Agents

| Name of KVK | Bio-control Agents | Quantity (q) | Coverage of Area (ha) | No. of farmers |
|-------------|--------------------|--------------|-----------------------|----------------|
| | | | | |

Bio-Fertilizer

| Name of KVK | Bio-Fertilizer | Quantity (kg) | Coverage of Area (ha) | No. of farmers |
|-------------|----------------|---------------|-----------------------|----------------|
| | | | | |

Vermis Produced

| Name of KVK | Vermis Produced | Quantity (q) | Coverage of Area (ha) | No. of Farmers |
|-------------|-----------------|--------------|-----------------------|----------------|
| | | | | |

Large scale adoption of resource conservation technologies

| Name of KVK | Crops/cultivars and gist of resource conservation technologies introduced | Area (ha) | Number of farmers |
|-------------|---|-----------|-------------------|
| | | | |
| | | | |
| | | | |

Awareness campaign

| Name of KVK | Meetings | | Gosthies | | Field days | | Farmers fair | | Exhibition | | Film show | |
|-------------|----------|----------------|----------|----------------|------------|----------------|--------------|----------------|------------|----------------|-----------|----------------|
| | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers | No. | No. of farmers |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

28. Activities performed in Satellite Village on Doubling Farmer's Income

Information about Satellite Village

| Name of KVK | Block | Village |
|-----------------|----------|---------|
| KVK Hoshangabad | Pipariya | Chakar |

1. Activities for Natural Resource Management:-

| Name of intervention undertaken | Numbers under taken | No of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|---------------------|-------------|-----------|------------------------------------|---------|
| | | | | | |

2. Activities for Crop Diversification:-

| Name of intervention undertaken | Numbers under taken | No of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|---------------------|-------------|-----------|------------------------------------|---------|
| Rice JRH -5 | 2 | 2 | 0.40 ha | 2 | |
| Sesame | 1 | 6 | 0.30 ha | 6 | |

3. Activities for Crop Production

| Name of intervention undertaken | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|-----------|------------------------------------|---------|
| | | | |

4. Activities for Livestock and Fisheries

| Name of intervention undertaken | Numbers under taken | No of units | Area covered (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|---------------------|-------------|-------------------|------------------------------------|--|
| Breed Improvement | 1 | 1 | NA | 30 family | One Sahiwal bull provided for breed improvement by KVK |

5. Activities for Livelihood Security to small and marginal land holders:-

| Name of intervention undertaken | Numbers under taken | No of units | Area covered (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|---------------------|-------------|-------------------|------------------------------------|---------|
| | | | | | |

6. Activities for Institutional Interventions

| Name of intervention undertaken | No of units | Area covered (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|-------------|-------------------|------------------------------------|---------|
| | | | | |

7. Activities for Capacity Building

| Thematic area | No. of Courses | No. of beneficiaries | | |
|--------------------------------|----------------|----------------------|--------|-------|
| | | Male | Female | Total |
| Insect Pest management of Rice | 1 | 17 | 04 | 21 |

8. Extension Activities in Satellite Village

| Thematic area | No. of activities | No. of beneficiaries | | |
|---|-------------------|----------------------|--------|-------|
| | | Male | Female | Total |
| Nutritional awareness for kitchen gardening through Munga | 1 | 6 | 30 | 36 |
| Back Yard Poultry | 1 | 0 | 20 | 20 |

29. Activities performed in Nutri-Smart Village

Information about Nutri-Smart Village

| Name of KVK | Block | Village |
|-----------------|----------|---------|
| KVK Hoshangabad | Bankhedi | Kothri |
| KVK Hoshangabad | Pipariya | Matkuli |

1. Innovative practices to promote nutrition-sensitive agriculture and food security :

| Areas | Type of intervention taken (OFT/FLD/Training/Extension Activity) | Name of intervention taken | Numbers under taken | Quantity (unit) | % change in Nutritional Status | No of beneficiaries |
|---|--|--|---------------------|-----------------|--------------------------------|---------------------|
| Diversification and intensification of production | OFT | Assessment of ridge and furrow planting method in pigeon pea under water logging condition under pigeon pea wheat cropping pattern | 1 | 0.5 acre | 6% | 1 farmer |
| | OFT | Assessment of nutritional garden for household nutrition | 2 | 2 | 5% | 2 farm woman |
| | OFT | Assessment of sweet corn variety sugar 75 for income generation of farm women | 5 | 0.5 acre | On going | 5 farm women |
| Nutrition sensitive livestock and fisheries | OFT | Assessment of Azolla as feed supplement for improving milk yield in milch cows | 5 | 300 Cube Feet | 5% | 5 |
| Biodiversity for food & nutrition including forest produces/ Minor Millets | OFT | Assessment of Finger millet porridge for Lactating mothers | 5 | 500 gram/day | 2.22% | 5 |
| | OFT | Assessment of freshly prepared soya milk for growth and wellness | 20 | 1000 ml/day | 13% | 20 |

| | | | | | | |
|----------------------------|-----|---|---|---|----|---|
| | | of juveniles of landless farmers | | | | |
| Bio-fortification | OFT | Agriculture waste converted into decomposed manure by using decomposer & S9 culture | 3 | - | NA | 3 |
| Other (Pl. Specify) | | | | | | |

2. Value Chain And Village Trade related Issue:

| Areas | Type of intervention taken (OFT/FLD/Training/Extension Activity) | Name of intervention taken | Numbers under taken | Quantity | % change in Nutritional Status | No of beneficiaries |
|---|--|----------------------------|---------------------|----------|--------------------------------|---------------------|
| Demand-supply dynamics and market intelligence by the women. | | | | | | |
| Processing and product development of NTFPs by women. | | | | | | |
| Food Fortification | | | | | | |
| Technology adaptation mechanisms for nutritional security. | Extension Activity | Drumstick planting | | 20 | | 20 |
| Economic empowerment through sustainable income generation among women. | Capacity building | Mushroom Production | | 10 | | 10 |
| Other (Pl. Specify) | | | | | | |

3. Improving Maternal and Child Nutrition

| Areas | Type of intervention taken (OFT/FLD/Training/Extension Activity) | Name of intervention taken | Numbers under taken | % change in Nutritional Status | No of beneficiaries |
|---|--|---|---------------------|--------------------------------|---------------------|
| Strategies and programs for improved maternal nutrition-experiences | Extension activity | Drumstick as food | 2 | 10% | 40 |
| Community based strategies to enhance and sustain breast feeding practices and promote early childhood development. | Extension activity | Awareness about breast feeding till 6 month | 1 | 20% | 20 |

| Areas | Type of intervention taken (OFT/FLD/Training/ Extension Activity) | Name of intervention taken | Numbers under taken | % change in Nutritional Status | No of beneficiaries |
|--|---|--|---------------------|--------------------------------|---------------------|
| Approaches to improve complementary foods and feeding practices. | OFT | Finger millet porridge for Lactating mothers | 5 | Ongoing | 5 |
| Comprehensive approach to address acute malnutrition in children. | Extension activity | Awareness done on balanced nutrition | 6 | 50% | 6 |
| Improving nutrition among tribal population with community focus on first 1000 days. | - | - | - | - | - |

4. Nutrition Literacy

| Areas | Type of intervention taken (OFT/FLD/Training/ Extension Activity) | Name of intervention undertaken | Number of Courses | No of beneficiaries |
|-----------------------------------|---|--------------------------------------|-------------------|---------------------|
| Nutrition Education and Behaviour | Extension Activity | Awareness programme | 6 | 80 |
| Micronutrient Supplementation | Extension Activity | Training on Amla Product preparation | 1 | 12 |
| Adolescent and Maternal Nutrition | Extension Activity | Awareness programme | 2 | 50 |
| Malnutrition Management Service | Extension Activity | Awareness programme | 6 | 80 |
| Other (Pl. Specify) | | | | |

5. Capacity development of women institutions/ SHGs/ FIGs/FPOs

| Area | Name of intervention undertaken | Number of Courses | No of beneficiaries |
|---|---------------------------------|-------------------|---------------------|
| Human Resource management for women | | | |
| Capacity development through participatory method | Women Day Celebration | 1 | 63 |
| Skill development | Training on Garments Making | 1 | 10 |
| Other (Pl. Specify) | | | |

6. Enabling Suitable governance and policy

| Areas | Name of intervention taken | Numbers under taken | No of Courses | No of beneficiaries |
|--|----------------------------|---------------------|---------------|---------------------|
| Role of horticulture and Agriculture Engineering in Nutritional Security | Plant & seed Distribution | 62 | 1 | 62 |
| Climate Smart agriculture for Nutritional Security | World Earth Day | 1 | 1 | NA |
| Other (Pl. Specify) | | | | |

7. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department) :-

| Name of intervention undertaken | No of collaborative Department | No of beneficiaries | Remark |
|--|---------------------------------------|----------------------------|-------------------|
| Health camp | 2 | 378 | Health department |
| Animal health camp | 1 | 130 | Animal husbandry |

30. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

| Name of KVK | Block | Village |
|-------------|-------|------------------|
| Hoshangabad | Babai | Sangakheda Kalan |

1. Technologies to be Demonstrated Nil

| Name of Technology | Name of Crop/Enterprise | Area (ha.) | Yield | % change in Yield | No. of farmers benefitted |
|--------------------|-------------------------|------------|-------|-------------------|---------------------------|
| | | | | | |
| | | | | | |

2. Extension Activities

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | Total |
| KMA | 104 | 36 | 0 | 140 |
| | | | | |

3. Training Programme Nil

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | Total |
| | | | | |
| | | | | |

35. Activities of NICRA (Only NICRA KVKs)

1. Technologies to be Demonstrated

| Name of Technology | Name of Crop | Area (ha.) | Yield | % change in Yield | No. of farmers benefitted |
|--------------------|--------------|------------|-------|-------------------|---------------------------|
| | | | | | |
| | | | | | |

2. Extension Activities in NICRA Village

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | Total |
|------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | |
| | | | | |
| | | | | |

3. Training Activities in NICRA Village

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | Total |
|------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | |
| | | | | |
| | | | | |

4. Activities for Fodder Bank

| Established (Years) | Capacity | Current Status |
|---------------------|----------|----------------|
| | | |

5. Activities for Seed Bank

| Established (Years) | Capacity | Current Status |
|---------------------|----------|----------------|
| | | |

6. Public Representative/District Administration Visited in NICRA Village

| Name of Representative/Officer | Designation | Date of Visit | Any Special Remark by Visitors |
|--------------------------------|-------------|---------------|--------------------------------|
| | | | |

7. Feedback of Farmers for future improvement, if any.

36. Proposed works under NAIP (in NAIP monitoring format)

37. Case study / Success Story to be developed –

Two best only in the following format

Name of the KVK , TITLE, Introduction, KVK intervention, Output, Outcome, Impact, 2-3 Photographs with caption in .jpeg format.

| Sr. no. | Name of KVK | No. of success stories | No. of case studies |
|---------|-------------|------------------------|---------------------|
| 1 | Hoshangabad | 2 | 2 |

38. Well labeled Photographs in .jpeg format for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) –

Outcome only

Table 2-

| Technology | Yield Kg/ha | Total cost of cultivation (Rs.) | Gross income (Rs.) | Net income (Rs.) | BC Ratio |
|---|-------------|---------------------------------|--------------------|------------------|----------|
| Framers Practice (T ₁) | 5950 | 42600 | 111562.5 | 68962.5 | 1.61 |
| SRI package practice Used (T ₂) | 6890 | 37500 | 129187.5 | 96687.0 | 2.57 |

*MSP -18.75 per kg

Case Study/ Success Story:-

Paddy is the major kharif crop in the district that covers an area 1.38 lakh ha out of 2.25 lakh ha with average productivity 46 q/ ha. Shri Devraj Singh Judev (43 years) of village Tindwara Block Bankhedhi, district Hoshangabad is a progressive farmer, educated up to 10th standard in school. The main source of income of family is farming from his 3.80 ha land. He grows paddy crop during kharif season and harvest on an average 50-55/ ha. SRI Technology package practice time to time dissemination through What's app. SRI Technology Demonstrated paddy variety JRH-5 12 days nursery transplant + seed treatment with fungicide (Thiram+Carbendazim) @ 2.5 g/kg seed + Imidacloprid @2.5 ml+ seed Inoculating cultures namely; PSB culture@5ml/kg seed + FIR transplant. KVK intervention KVK's Scientists survey the farmer's field adopted village Tindwada Block Bankhedhi during June 2018 and selected the field for on farm tasting the technologies. Team meet the farmer and discussed regarding kharif paddy crop productivity and their constraints for higher yield. Shri Shri Devraj Singh Judev, Shri Nirmal Mishra, and Shri Gopal Kushwah agreed for adopting the new technology as per KVK's suggestions. The major factor like Nursery management, transplant spacing, variety, RDF, sowing method, plant protections measures also were discussed. The rice transplant SRI technology spacing 25X25 cm was arranged with package practice time to time dissemination through What's app technology. The Scientist of Krishi Vigyan Kendra, Hoshangabad also suggested farmer's time-to-time.

Action photograph (in JPG format with caption)

| | | |
|---|--|---|
|  |  |  |
| <p>SRI Technology message Send through What's app</p> | <p>SRI Technology message Send through What's app</p> | <p>What's app message read in mobile</p> |

Case Study/ Success Story :-

Smt. Poonam bai thakur wife of Lallu thakur from Paliya Pipariya village cultivating conventional farming of sugarcane & rice crop & little bits vegetable for long years when KVK started in Bankhedhi, Hoshangabad. Paliya pipariya Home scientist visited her field & suggested her to take nutritional garden in her field in small area for getting additional income & Nutritional security during Kharif season 2018 KVK provided training for bad making, plant spacing and proper staking of vegetable crop to get better Vegetable produce & KVK team provided her bottle gourd, sponge gourd, Bitter gourd, Spinach, coriander, chilly, radish, cucumber for grow vegetable. Kvk scientist Frequently visited her field & provided technical support for plant protection. When she grow 1-2 vegetable she get 80000 Rs from 1 acre. When KVK introduced different vegetable she can get 150000 Rs additional income of 100000 Rs in Kharif season 2018



Case Study/ Success Story :-Azolla Production

KVK Bankhedi dist. Hoshangabad has prepared more than 50 Azolla Pits in different villages of Hoshangabad dist. and other dist. also. Azolla production will play very important role in doubling farmers income till 2022 because it reduces the cost of concentrate and green fodder also increases the milk production. Under the guidance of KVK Hoshangabad, Farmer Shri Sunil Soni of village Andhaikheda (Bankhedi) has prepared Azolla pit . Farmer has 6 milch cattles and his expenses was rupees 10,800 on concentrate cost per month, now farmer providing wheat straw, Azolla and some green fodder no feed concentrate now farmer is very Happy by using Azolla ,his cost reduces and also increases milk yield . Many Farmer have collected Azolla cultue from Sunil ji and they aware the importance of Azolla for Animals . Farmer Devraj Singh Judev ji of Tindwada village also prepared Azolla pit and he told that I am feeding Azolla to animals about 2 month and reduces the concentrate but no change the health of animal and little bit increases the milk yield. Farmer Kamlesh Patel of Bachawani also feeding Azolla about 3.5 month he found that milk yield are increased. Pahlwan singh from village Anhai also doing successful Azolla Cultivation.



