

ANNUAL PROGRESS REPORT
April 2015 to March 2016

Contents

| Sl. No. | Particular | Page No |
|---------|---|---------|
| | Instructions for Filling the Format | |
| | Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16 | |
| 1 | General Information | |
| 2 | On Farm Testing | |
| 3 | Achievements of Frontline Demonstrations | |
| 4 | Documentation of the need assessment conducted by the KVK for the training programme | |
| 5 | Training programmes | |
| 6 | Extension Activities | |
| 7 | Literature Developed/Published (with full title, author & reference) | |
| 8 | Production and supply of Technological products | |
| 9 | Activities of Soil and Water Testing Laboratory | |
| 10 | Rainwater Harvesting | |
| 11 | Utilization of Farmer Hostel facilities | |
| 12 | Utilization of Staff Quarter facilities | |
| 13 | Details of SAC Meeting | |
| 14 | Status of Kisan Mobile Advisory | |
| 15 | Status of Convergence with agricultural schemes | |
| 16. | Status of Revolving Funds | |
| 17. | Awards & Recognition | |
| 18. | Details of KVK Agro-technological Park | |
| 19. | Farm Innovators | |
| 20. | KVK interaction with progressive farmers | |
| 21. | Outreach of KVK | |
| 22. | Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize | |
| 23. | KVK Ring | |
| 24. | Important visitors to KVK | |
| 25. | Status of KVK Website | |
| 26. | Status of E-connectivity | |
| 27. | Status of RTI | |
| 28. | Status of Citizen Charter | |
| 29. | Attended HRD activities organized by ZPD | |
| 30. | Attended HRD activities organized by DES | |
| 31. | Attended HRD activities by KVK Staff | |
| 32 | Agri Alert report | |
| 33. | Details of Technological Week Celebration | |
| 34. | Interventions on Drought Mitigation | |
| 35. | Proposal of NICRA | |
| 36. | Proposed works under NAIP | |
| 37. | Case study / Success Story to be developed | |
| 38. | Action Photographs | |

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 2015 to March 2016
Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16

| S.N. | Quantifiable Achievement | Number | Beneficiaries (nos.) | |
|----------|--|--------------------------|-----------------------------|---------------------|
| 1 | On Farm Testing | | | |
| | Proposed OFT | | | |
| | On Going OFT | | | |
| | Technologies assessed (Completed OFT) | | | |
| | Technologies refined | | | |
| | On farm trials conducted | | | |
| 2 | Frontline demonstrations | | | |
| | Proposed Frontline demonstrations | | | |
| | On Going Frontline demonstrations | | | |
| | FLDs conducted on crops | | | |
| | Area under crops (ha.) | | | |
| | FLD on farm implement and tools | | | |
| | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.) | | | |
| | FLD on Fisheries - Finger lings | | | |
| | FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.) | | | |
| | FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.) | | | |
| 3 | Training programmes | No. of Course | Duration (days) | Participants |
| | Farmers | | | |
| | Farm women | | | |
| | Rural youth | | | |
| | Extension personnel/ In service | | | |
| | Vocational trainings | | | |
| | Sponsored Training | | | |
| | Total | | | |
| | | No. of programmes | Participants | |
| 4 | Extension Programmes | | | |
| 5 | Production of technology inputs etc | Qty | Beneficiaries (nos.) | |
| | Seed (qt.) | | | |
| | Planting material produced (nos.) | | | |
| 6 | Livestock | Qty | Beneficiaries (nos.) | |
| | Livestock strains (Nos) | | | |
| | Milk Yield - Cow, Buffelo etc. (in liter) | | | |
| | Fish (Kg.) | | | |
| | Fingerlings (nos.) | | | |
| | Poultry-Eggs (nos.) | | | |
| | Ducks (nos.) | | | |
| | Chicks etc. (nos.) | | | |

| | | | | |
|----|--|-----------------------------|------------------------------------|---------------|
| 7 | Bio Products | Qty | Beneficiaries (nos.) | |
| | Bio Agents -Earth worm (Kg.) | | | |
| | Trichoderma (kg.) | | | |
| | Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , 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) | | | |
| | Publications (Res. Paper/ pop. Art./Bulletin,etc.) | | | |
| | KVK News letter | | | |
| | SAC Meetings conducted | | | |
| | Soil sample tested | | | |
| | Water sample tested | | | |
| | RWH System (Special training and field visit on RWH structure and MIS in KVKs) | | | |
| | KVK-KMA (Message and beneficiaries) | | | |
| | Convergence programmes | | | |
| | Sponsored programmes | | | |
| | KVK Progressive Farmers interaction | | | |
| | No. of Technology Week Celebrations | | | |
| | Attended HRD activities organized by ZPD | | | |
| | Attended HRD activities organized by DES | | | |
| | Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.) | | | |
| 9 | Current status of Revolving Funds (Amt. in Rs.) | | | |
| 10 | | No. of blocks | No. of villages | |
| | Outreach of KVK in the District | | | |
| 11 | | ICAR | SAU | Others |
| | No. of important visitors to KVK (nos.) | | | |
| 12 | | Working (Yes/No) | No. of Update | |
| | Status of KVK Website | | | |
| 13 | | Application received | Application disposed | |
| | Status of RTI (nos.) | | | |
| 14 | | Query received | Query dissolved | |
| | Citizen Charter (nos.) | | | |
| 15 | | Working (Yes/No) | No. of programme viewed | |
| | E-connectivity | | | |
| 16 | | Filled | Vacant | |
| | Staff Position | | | |
| 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) | | | |

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2016

| Name of KVK | Sanctioned Posts | PC (1) | | SCIENTIST (6) | | PA (3) | | Admn. (6) | | Total | |
|-------------|------------------|--------|--------|---------------|--------|--------|--------|-----------|--------|-------|--------|
| | | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled |
| Kendrapara | 16 | 1 | 0 | 6 | 5 | 3 | 3 | 6 | 6 | 16 | 14 |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Highest degree | Subject of specialization | Pay scale | Present pay | Date of joining | Per./Temp. | Category |
|-------------|----------------------------|--------------------------|--------------------------|----------------|---------------------------|------------------------|-------------|-----------------|-------------|----------|
| Kendrapara | Programme Coordinator | | | | | | | | | |
| Kendrapara | Subject Matter Specialist1 | Sri Lalita Kumar Mohanty | Scientist (Agronomy) | M.Sc. Ag | Agronomy | 15600 – 39100 AGP-6000 | 22220 | 01.08.2011 | Permanent | Others |
| Kendrapara | Subject Matter Specialist2 | Mrs. Namita Mohapatra | Scientist (Home Science) | M.Sc. | Home science | 15600 – 39100 AGP-6000 | 19810 | 13.01.2012 | Permanent | Others |
| Kendrapara | Subject Matter Specialist3 | Sri Sidhartha Kar | Scientist (Horticulture) | M.Sc. Ag | Horticulture | 15600 – 39100 AGP-6000 | 19050 | 06.12.2012 | Permanent | Others |
| Kendrapara | Subject Matter Specialist4 | Dr. Lipsa Dash | Scientist(Vet Sc. & A.H) | PhD. | Virology | 15600 – 39100 AGP-6000 | 15600 | 24.07.2015 | Contractual | Others |
| Kendrapara | Subject Matter Specialist5 | Mrs. Manasi Bhol | Scientist (Home Science) | M.Sc. | Home science | 15600 – 39100 AGP-6000 | 23070 | 13.01.2012 | Permanent | Others |
| Kendrapara | Subject Matter Specialist6 | Vacant | | | | | | | | |
| Kendrapara | Programme Assistant | Mr Pravat Kumar Sahoo | PA(Agriculture) | M.Sc.Ag | Soil Science | 9300 – 34800 GP-4200 | 10560 | | | |
| Kendrapara | Farm Manager | Miss Prathana Mohanty | Horticulture | MSc. | Horticulture | 9300 – 34800 GP-4200 | 9710 | 31.01.2015 | Contractual | Others |
| Kendrapara | Computer | Sri Nihar | Computer | Bsc. | Computer | 9300 – | 13450 | 15.07.2014 | Permanent | Others |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Highest degree | Subject of specialization | Pay scale | Present pay | Date of joining | Per./Temp. | Category |
|-------------|--------------------------------|------------------------------------|---------------------------------|------------------|---------------------------|-----------------------------|-------------|-----------------|-------------|----------|
| | Programmer | Ranjan Baral | | | | 34800 GP-4200 | | | | |
| Kendrapara | Accountant / superintendent | Sri Subash Chandra Dash | | BA | | 9300 – 34800 GP- 4200 | 14540 | 09.02.2015 | Permanent | Others |
| Kendrapara | Stenographer | Sri Kishore Chandra Das | Jr. Steno cum Comp. Operator | B.Sc | Stenography, DCA | 5200- 20200 GP- 2400 | 7560 | 28.12.2013 | Contractual | Others |
| Kendrapara | Driver | Sri Rajesh Ku. Behera | Driver cum Mechanic | 9 th | - | 5200- 20200 GP- 1900 | 6600 | 23.07.2008 | Contractual | Others |
| Kendrapara | Driver | Sri Anirudha Gochhayat | Driver cum Mechanic | | | 5200- 20200 GP- 1900 | 6600 | 07.07.2014 | Contractual | |
| Kendrapara | Supporting staff | Sri Krushna chandra Bhujabal | Peon cum watchman | 10 th | - | 4440- 7440 GP- 1300 | 5580 | 29.07.2008 | Contractual | Others |
| Kendrapara | Supporting staff | Bansidhar Pradhan | Peon cum watchman | | | 4440- 7440 GP- 1300 | 6010 | 01.07.2014 | Contractual | Others |

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 |
|------------|---|----------------|-------------------|------------|----------|----------------------|----------------|----------------------|
| Kendrapara | East & South Eastern Coastal Plain Zone | Kendrapara | 27 | 178919 | 77.67 | 38381 | | |
| Kendrapara | | Derabish | 26 | 129532 | 78.98 | 31712 | | |
| Kendrapara | | Pattamundai | 30 | 179924 | 76.57 | 49527 | | |
| Kendrapara | | Aul | 32 | 136297 | 78.01 | 30406 | | |
| Kendrapara | | Rajkanika | 30 | 126887 | 77.12 | 27084 | | |
| Kendrapara | | Rajnagar | 5 | 145301 | 71.88 | 18682 | | |
| Kendrapara | | Marshaghai | 23 | 115103 | 79.08 | 21070 | | |
| Kendrapara | | Mahakalapara | 27 | 191745 | 71.90 | 36407 | | |
| Kendrapara | | Garadpur | 18 | 98297 | 86.20 | 20740 | | |

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) |
|------------|-----------------|------------------|-------------|-------------------|------------|--|
| Kendrapara | Gahaga | 2012 | Derabis | 30 km | 1250 | 325 |
| Kendrapara | Sanamangarajpur | 2010 | Kendrapara | 16 km | 900 | 215 |
| Kendrapara | Kantia | 2010 | Kendrapara | 15 km | 850 | 295 |
| Kendrapara | Janra Barimul | 2011 | Derabis | 28 km | 1400 | 310 |
| Kendrapara | Napanga | 2013 | Pattamundai | 45 km | 2700 | 465 |

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

| KVK Name | THRUST AREA |
|------------|--|
| Kendrapara | Maximization of crop production |
| Kendrapara | Development of suitable farming system models for different farming situation |
| Kendrapara | Value addition of fruits and vegetables |
| Kendrapara | Mushroom production and post harvest management |
| Kendrapara | Production of remunerative enterprises (Floriculture, apiary, fishery, polutry rearing etc.) |
| Kendrapara | Judicious pest and disease management practices |
| Kendrapara | Soil problem and water quality management |
| Kendrapara | Food security and sustainable livelihood |
| Kendrapara | Integrated Weed management |
| Kendrapara | Integrated nutrient management |

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 |
|------------|---|---|-------------------------------------|
| Kendrapara | More infestation of weeds | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Kendrapara, Marshaghai, Pattamundai |
| Kendrapara | Poor nutrient management practices in the field crops | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Rajnagar, Rajkanika |

| KVK Name | Problem identified | Methods of problem identification | Location Name of Village & Block |
|-----------------|---|---|---|
| Kendrapara | Use of traditional varieties | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Mahakalapara, Derabis, Aul, Rajkanika |
| Kendrapara | Acute pest and disease infestation in different crops | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Pattamundai, Rajnagar, Rajkanika |
| Kendrapara | Poor soil and water quality | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Rajnagar, Rajkanika, Mahakalapara |
| Kendrapara | Non remunerative enterprise in practice | PRA tools, Diagnostic field visit, group discussion, exploratory survey | In all 9 blocks |
| Kendrapara | Lack in proper utilization of available natural resources | PRA tools, Diagnostic field visit, group discussion, exploratory survey | In all 9 blocks |
| Kendrapara | Non availability feed and fodder for ruminants | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Pattamundai, Rajkanika |
| Kendrapara | Lack of value addition practices | PRA tools, Diagnostic field visit, group discussion, exploratory survey | In all 9 blocks |
| Kendrapara | Poor production of pisciculture | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Aul, Mahakalapara, Kendrapara, Pattamundai |
| Kendrapara | Poor food and livelihood security | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Mahakalapara, Rajkanika |
| Kendrapara | Soil acidity leading to lower crop yield. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Rajnagar, Mahakalapara, Kendrapara |
| Kendrapara | Application of imbalanced dose of major nutrients in almost all crops. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Kendrapara, Derabis |
| Kendrapara | Water logging | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Kendrapara, Rajkanika, Rajnagar |
| Kendrapara | Lack of scientific knowledge on agro based entrepreneurs. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Mahakalapara, Pattamundai |
| Kendrapara | Unemployment of rural youth and school | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Pattamundai, Kendrapara, Mahakalapara |
| Kendrapara | Lack of availability of agricultural labour, and farm machineries for timely farm operations. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Derabis, Mahakalapara |
| Kendrapara | Malnutrition in farm women & children | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Pattamundai, Kendrapara |

2. On Farm Testing

Note-

* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

*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

2.1 Information about OFT

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Crop/enterprise | Farmin g Situations | No. of trials | Results (q/ha) | | | Net Returns (Rs./ha) | | | Recommend ations |
|-------------|--------|---------|--|--|--|-----------------|--|---------------------------------|---------------|----------------------|----------------------|----|----------------------|----------------------|----|------------------|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | T3 | FP (T ₁) | RP (T ₂) | T3 | |
| Kendra para | Kharif | 2015 | Low yield of paddy due to heavy weed infestation | Assessment of integrated weed management in transplanted paddy | Assessment | IWM | Rice | Irrigated medium land | 13 | 42.1 | 49.4 | | 13415 | 21810 | | |
| Kendra para | Kharif | 2015 | Low production from traditional system Non compatibility crop sequence Poor soil and fertilizer management | Assessment of intensified cropping system | Assessment | Cropping system | Rice-green gram, Rice-maize-ladys finger, Rice-maize-cowpe w, Rice-ground nut-tomato | Irrigated medium land situation | 5 | | | | | | | Continuing |
| Kendra para | Rabi | 2015-16 | Low yield and profitability due to sole | Assessment of intercropping of | Assessment | ICM | Ground nut + Sunflower | Irrigated | 13 | | | | | | | |

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Crop/enterprise | Farmin g Situations | No. of trials | Results (q/ha) | | | Net Returns (Rs./ha) | | | Recommend ations |
|-------------|---------|---------|---|---|--|---------------------------|-----------------|---------------------------------|---------------|----------------------|----------------------|----------------|----------------------|----------------------|----------------|------------------|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | T ₃ | FP (T ₁) | RP (T ₂) | T ₃ | |
| | | | cropping of groundnut. | groundnut and sunflower | | | | | | | | | | | | |
| Kendra para | Kharif, | 2015 | Nitrogen efficiency in medium land rice ecosystem is reduced due to various losses resulting low yield. | Assessment of nitrogen management through leaf colour chart in rice | Assessment | Varietal substitution | Rice | Irrigated medium land situation | 13 | 44.3 | 50.7 | | 15945 | 23805 | | |
| Kendra para | Kharif | 2015 | Low profit per unit area due to less number of plants. | Assessment of suitable planting methods of banana | Assessment | Production and Management | | Medium land irrigated | 13 | | | | | | Continuing | |
| Kendra para | Rabi | 2015-16 | Low production from local variety Non uniform maturity High incidence of disease in sucker raise cultivar | Assessment of performance of Tissue cultured banana | Assessment | Varietal substitution | Banana | Medium land, irrigated | 5 | | | | | | Continuing | |
| Kendra para | Rabi | 2015-16 | Low yield due to use | Assessment of HYV | Assessment | Varietal replacement | Onion | Irrigated up | 11 | 220.75 | 227 | 218 | 148750 | 147000 | 145200 | |

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Crop/enterprise | Farmin g Situations | No. of trials | Results (q/ha) | | | Net Returns (Rs./ha) | | | Recommend ations |
|-------------|---------|---------|--|---|--|---------------------------------|-----------------|-------------------------|---------------|----------------------|----------------------|----------------|----------------------|----------------------|----------------|------------------|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | T ₃ | FP (T ₁) | RP (T ₂) | T ₃ | |
| | | | of old degenerated seeds of multiplier onion | onion | | ent | | land | | | | | | | | |
| Kendra para | Rabi | 2015-16 | Low yield due two use of degenerated seeds Anupama | Assessme nt of french beans | Assessme nt | Varietal replacem ent | French beans | Irrigate d up land | 13 | 117 | 132 | | 68400 | 83400 | | |
| Kendra para | Kha rif | 2015 | Low yield due to severe infection of sheath blight in Rice | Assessme nt of fungicide s for managem ent of sheath blight of paddy | Assessme nt | Integrate d disease manage ment | Rice | Irrigate d | 13 | 37.2 | 47 | 45 | 20360 | 29100 | | |
| Kendra para | Rabi | 2015-16 | Low yield due to drying of onion leaves | Assessme nt of insecticide s against onion thrips | Assessme nt | Integrate d pest manage ment | Onion | Irrigate d mediu m land | 13 | 70.8 | 110.5 | 100.2 | 27200 | 80750 | 65300 | |
| Kendra para | Rabi | 2015-16 | Low yield due to leaf blight and fruit rot of brinjal | Assessme nt of fungicide s for managem ent of phomopsi s blight and fruit | Assessme nt | Integrate d disease Manage ment | brinjal | Rainfed mediu m land | 13 | 200 | 285 | | 31000 | 68500 | | |

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Crop/enterprise | Farmer Situations | No. of trials | Results (q/ha) | | | Net Returns (Rs./ha) | | | Recommendations |
|-------------|-------|---------|--|--|--|-------------------------------|-----------------|-----------------------|---------------|----------------------|----------------------|----------------|----------------------|----------------------|--------------------------|-----------------|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | T ₃ | FP (T ₁) | RP (T ₂) | T ₃ | |
| | | | | rot of brinjal | | | | | | | | | | | | |
| Kendra para | Rabi | 2015-16 | Drying of leaves and vine leading to reduction in fruit yield | Assessment of fungicides for management of downy mildew in pointed gourd | Assessment | Integrated disease Management | Pointed gourd | Irrigated medium land | 13 | | | | | | | continuing |
| Kendra para | Khari | 2015 | Low yield due to single harvest with Indian Major Carps (IMC) like Catla, Rohu, Mrigal No intermediary income during the culture period Avg. 65% ponds of ACZ is associated with the problem | Assessment the performance of new species in carp polyculture system | Assessment | Water management | Fish | | 5 | 24 | 31 | 29.5 28.5 | 9800 00 | 1680 00 | 1520 00 1390 00 | |
| Kendra para | Rabi | 2015-16 | Low yield due to less | Assessment of | Assessment | Fish producti | Fish | Rainfed / | 5 | 21 | 33 | | 6200 0 | 1960 00 | | |

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Crop/enterprise | Farming Situations | No. of trials | Results (q/ha) | | | Net Returns (Rs./ha) | | | Recommendations |
|-------------|--------------|---------|---|--|--|-----------------|-----------------|---------------------|---------------|----------------------|----------------------|----------------|----------------------|----------------------|----------------|-----------------|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | T ₃ | FP (T ₁) | RP (T ₂) | T ₃ | |
| | | | plankton population | biological control of snail population | | on | | irrigated | | | | | | | | |
| Kendra para | Kharif, Rabi | 2015-16 | Low fish yield due to inadequate plankton production | Assessment of liquid organic manure (Humic acid) | Assessment | Fish production | Fish | Rainfed / irrigated | 5 | | | | | | | |
| Kendra para | Rabi | 2015-16 | Backyard tanks unsuitable for carp culture | Assessment of Nile Tilapia in backyard tanks | Assessment | Fish production | Fish | Rainfed | 5 | | | | | | | |
| Kendra para | Rabi | 2015-16 | Small ruminants are susceptible to several preventable diseases causing high rate of morbidity and mortality leading to severe economic losses in small ruminants | Assessment of health management practices for control of diseases in small ruminants (sheep and goats) | Assessment | Sheep & Goats | Enterprise | Homestead | 13 | 7 | 12 | 16500 | 30000 | | | |

| KVK name | Year | Season | Problem diagnose | Title of OFT | Category of technology (Assessment/Refinement) | Thematic Area | Crop/enterprise | Farmin g Situations | No. of trials | Results (q/ha) | | | Net Returns (Rs./ha) | | | Recommend ations |
|-------------|------|---------|---|---|--|---------------|-----------------|---------------------|---------------|----------------------|----------------------|----------------|----------------------|----------------------|----------------|------------------|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | T ₃ | FP (T ₁) | RP (T ₂) | T ₃ | |
| | | | rearing practices | | | | | | | | | | | | | |
| Kendra para | Rabi | 2015-16 | Low egg production, light weight birds for sale, of No feed supplementation, No or sporadic vaccination, Disease incidences/morbidity and mortality | Assessment of antibiotics and growth stimulator for increase in egg production and body weight gain in backyard poultry | Assessment | | | | | | | | | | | Continuing |

Economic Performance

| KVK name | 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) |
| Ken drap ara | Assessment of integrated weed management in transpla | | | | 35000 | 35000 | | 48415 | 56810 | | 13415 | 21810 | | 1.38 | 1.62 | |

| KVK name | 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) |
| | nted paddy | | | | | | | | | | | | | | | |
| Ken drap ara | Assessment of intensified cropping system | | | | | | | | | | | | | | | continuing |
| Ken drap ara | Assessment of intercropping of groundnut and sunflower | | | | | | | | | | | | | | | |
| Ken drap ara | Assessment of nitrogen management through leaf colour chart in rice | | | | 35000 | 34500 | | 50945 | 58305 | | 15945 | 23805 | | 1.45 | 1.69 | |
| Ken drap ara | Assessment of suitable planting methods of banana | | | | | | | | | | | | | | | continuing |
| Ken | Assessm | | | | | | | | | | | | | | | contin |

| KVK name | 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) |
| drap ara | ent of performance of Tissue cultured banana | | | | | | | | | | | | | | | uing |
| Ken drap ara | Assessment of HYV onion | Bulb weight (Gm) | 51.7 | 52.2 | 72000 | 80000 | 72800 | 220750 | 227000 | 218000 | 148750 | 147000 | 145200 | 3.06 | 2.83 | 2.99 |
| Ken drap ara | Assessment of french beans | Pod Length (Cm) | 15.05 | 16.27 | 72000 | 75000 | 0 | 140400 | 158400 | 0 | 68400 | 83400 | 0 | 1.95 | 2.11 | 0 |
| Ken drap ara | Assessment of fungicides for management of sheath blight of paddy | | | | 28000 | 32000 | 31500 | 48360 | 61100 | 58500 | 20360 | 29100 | 27000 | 1.73 | 1.91 | 1.86 |
| Ken drap ara | Assessment of insecticides against onion thrips | | | | 79000 | 85000 | 86000 | 106200 | 165750 | 150300 | 27200 | 80750 | 64300 | 1.34 | 1.95 | 1.75 |
| Ken drap ara | Assessment of fungicid | | | | 69000 | 74000 | | 100000 | 142500 | | 31000 | 68500 | | 1.45 | 1.93 | |

| KVK name | 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) |
| | es for management of phomopsis blight and fruit rot of brinjal | | | | | | | | | | | | | | | |
| Ken drap ara | Assessment of fungicides for management of downy mildew in pointed gourd | | | | | | | | | | | | | | | Continuing |
| Ken drap ara | Assessment the performance of new species in carp polyculture system | | | | 190000 | 205000 | | 264000 | 390000 | | 74000 | 185000 | | 1.39 | 1.90 | |
| Ken drap ara | Assessment of biological control of snail | | | | 190000 | 200000 | | 252000 | 396000 | | 62000 | 196000 | | 1.33 | 1.98 | |

| KVK name | 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) |
| | population | | | | | | | | | | | | | | | |
| Ken drap ara | Assessment of liquid organic manure (Humic acid) | | | | | | | | | | | | | | | |
| Ken drap ara | Assessment of Nile Tilapia in backyard tanks | | | | | | | | | | | | | | | |
| Ken drap ara | Assessment of health management practices for control of diseases in small ruminants (sheep and goats) | Body weight gain, increase in milk production, Age of Sexual maturity, feed conversion ratio (FCR) and economic analysis | | | 15000 | 24000 | | 31500 | 54000 | | 16500 | 30000 | | 2.10 | 2.25 | |
| Ken | Assessm | | | | | | | | | | | | | | | contin |

| KVK name | 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) |
| drapara | ent of antibiotics and growth stimulator for increase in egg production and body weight gain in backyard poultry | | | | | | | | | | | | | | | uing |

2.3 Information about Home Science OFT:

| 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 |
|------------|---------|--------|---|----------------------------|--|--------------------|--|--|--------------------------------|---------------|---|
| Kendrapara | 2015-16 | Rabi | Low income from backyard poultry due to non feeding of quality feed | Assessment of poultry feed | Assessment | Livelihood support | T ₂ : Preparation of concentrate feed in 100kg (groundnut oil cake 20kg, dry fish 5kg, rice bran 50kg, wheat bran | Preparation of concentrate feed | Homestead | 13 | Body weight & no. of egg production/bird, B:C ratio |

| 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 |
|------------|---------|--------|--|--|--|----------------------|--|--|--------------------------------|---------------|---|
| | | | | | | | 16kg, mineral mixture 9kg) after grazing (50-100gm/bird) | | | | |
| Kendrapara | 2015-16 | Rabi, | Low productivity and high mortality of the desi poultry breeds. | Assessment of poultry breeds | Assessment | Livestock production | T ₂ : Chabro T ₃ : CARI Nirhbik | Chabro : Body weight at 20 weeks 2.2-2.4 kg, Egg production 170-180 Nos , egg weight 56g Cari Nirhbik : Body weight at 20 weeks 1.7-1.8 kg, Egg production 200 Nos , egg weight 55g | Backyard | 7 | Body weight, Egg production per year, Egg weight, B:C ratio |
| Kendrapara | 2015-16 | Rabi | Non availability of paddy straw in heavy quantity as the farmers are harvesting the paddy crops with combined harvester. | Assessment of oyster mushroom using different substrates | Assessment | Mushroom cultivation | T ₂ : Jute stick T ₃ :Banana trash T ₄ :Green gram hulm | Colour of mushroom is grey during initiation of fruiting, later it changes to white in our climate. Average fruit body weight-31g, Biological efficiency-103%,Texture of fruit-Fleshy | Homestead | 7 | Fruit Body Weight(g), Yield(kg/bag), time of maturity, B:C |

| 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 |
|------------|---------|--------|--|---|--|---------------------|---|---|--------------------------------|---------------|---|
| Kendrapara | 2015-16 | Rabi | Non availability of suitable puffed rice variety | Screening of different rice var. For preparation of puffed rice | Assessment | Nutritional support | Screening of different rice varieties for preparation of puffed rice. | Milled rice grains are treated with salt water to an optimum moisture content then puffing by sand roasting method and screening for puffed rice making | Homestead | 7 | L/B Ratio, expansion ratio increasing in surface area |

2.4 Economic Performance Home Science OFT:

| 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 | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Savings in Rs | BC ratio |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | | |
| Kendrapara | Assessment of poultry feed | - | - | - | - | - | - | - | - | - | - | - | - | 2800 | 3200 | 3360 | 4160 | 1.3 kg/bird at 5 months | 3.5 kg/bird at 5 months | 560 | 960 | - | T1-1.2 T2-1.3 |
| Kendrapara | Assessment of poultry breeds | - | - | - | - | - | - | - | - | - | - | - | - | 1950 | 2210 | 5200 | 7150 | Egg production-150 | Egg production-180 | 3250 | 4940 | - | T1-2.66 T2-3.23 |

| 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 | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Savings in Rs | BC ratio | | | | | | | | | | |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | | | | | | | | | | |
| Kendrapara | Assessment of oyster mushroom using different substrates | - | - | - | - | - | - | - | - | - | - | - | - | 390 | 429 | 0 | 0 | 13 | 117 | 00 | 00 | 0 | 0 | 2.4 | 2.1 | 910 | 741 | 0 | 0 | - | T1-3.3 T2-2.7 | | |
| Kendrapara | Screening of different rice var. For preparation of puffed rice | - | - | - | - | - | - | - | - | - | - | - | - | 30 | 30 | | | 5 | 6 | times | times | 30/ | 40/- | per | Per | kg | kg | of | of | rice | rice | - | T1-2.4 T2-3.3 |

2.5 Feedback from KVK to Research System

| Name of KVK | Feedback |
|-------------|---|
| Kendrapara | Use of substrate as paddy straw in oyster mushroom is better than by use of jute stick. |

3. Achievements of Frontline Demonstrations

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 |
| KVK Kendrapara | Tissue Culture Banana | ICM | Cultivation of Tissue cultured Banana. | Tissue cultured banana has ability to disease resistance and uniform maturity. This can use for further replication. | 05 | 20 | 5 |
| KVK, Kendrapara | Tomato | ICM | Demonstration of HYV tomato Swarna Sampad. | Swarna Sampad variety of tomato has potentiality for higher yield and even results well in hot climate. Wilting in tomato was also negligible. | 02 | 12 | 04 |
| Kemdrapara | Enterprise | Nutritional security | Demonstration on zero energy cool chamber for preservation of vegetables | Group discussion. Method demonstration, Diagnostic field visit. | 5 | 14 | - |
| Kenndrapara | Enterprise | Livestock production | Demonstration on duckery in backyard | Group discussion. Method demonstration, Diagnostic field visit. | 5 | 40 | - |
| Kendrapara | Enterprise | Mushroom production | Demonstration of Oyster mushroom P. eryngii | Training, Group discussion. Method demonstration, Diagnostic field visit. | 5 | 50 | - |

Note-

* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

*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

3.2 Details of FLDs implemented

| 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 |
| Kendrapara | 2015 | Kharif, | IWM | Bipyribac sodium in transplanted paddy @ 200 ml /ha at 20 days after transplanted (2 -3 leaf stage of weeds) | Rice | Lalat | 1 | | | | | | | | |
| Kendrapara | 2015 - 16 | Rabi | Varietal substitution | Demonstration on toria variety sushree in irrigated medium land situation | Toria | Sushree | 1 | 49 | 63 | 28.57 | | | | | |
| Kendrapara | 2015 | Kharif, | Varietal substitution | Demonstration on Hybrid rice variety 27P31 | Rice | 27P31 | 1 | | | | | | | | |
| Kendrapara | 2015 | Kharif | Varietal substitution | Demonstration on HYV paddy Hiranmayee | Rice | Hiranmayee | 1 | 41.2 | 49.7 | 20.63 | | | | | |
| Kendrapara | 2015-16 | Rabi | Vegetable cultivation | Demonstration on HYV tomato Swarna Sampad | Tomato | Swarna Sampad | 0.4 | 267 | 342 | 28.08 | 04 | 0 | 0 | 01 | 05 |

| KVK Name | Year | Season | Thematic area | Technology demonstrated | Name of Crop/Enterprise | Name of Variety/Technology/Enterprizes | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|------------|---------|---------|--------------------------------|--|-------------------------|--|--------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| Kendrapara | 2015-16 | Rabi | Integrated crop management | Demonstration on standardized dose of plant growth regulator in bitter gourd | Bitter gourd | BCH-608 | 1 | 42.5 | 86.5 | 103.52 | 04 | 0 | 01 | 02 | 07 |
| Kendrapara | 2015-16 | Rabi | Integrated nutrient management | Demonstration on potato varieties in irrigated medium land | Potato | Kufri surya | 0.12 | 200 | 338 | 69 | 06 | 0 | 03 | 0 | 09 |
| Kendrapara | 2014-15 | Rabi, | Varietal replacement | Popularization of plastic mulch in watermelon | Watermelon | Sugar baby | 0.2 | 240 | 282 | 17.5 | 04 | 0 | 02 | 0 | 06 |
| Kendrapara | 2015 | Kharif, | Integrated pest management | Demonstration on IPM for yellow stem borer in paddy | Rice | Swarna | 1 | 34.5 | 44.9 | 30.14 | | | | | |
| Kendrapara | 2014 | Summer, | Integrated disease management | Demonstration on Isoprothilane 40%EC for management blast in paddy | Rice | Lalat | 1 | 32.5 | 44.9 | 38.15 | | | | | |

| 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 |
| Kendrapara | 2015 | Kharif, | Integrated pest management | Demonstration on IPM for plant hoppers in rice | Rice | Pooja | 1 | 34.61 | 46 | 32.91 | | | | | |
| Kendrapara | 2015-16 | Rabi | Integrated pest management | Demonstration on bio-pesticide for management of fruit borer in tomato under rice based cropping system | Tomato | Chiranjeevi | 1 | 348 | 385 | 10.63 | | | | | |
| Kendrapara | 2015-16 | Rabi | Fish production technology | Demonstration on water probiotic Uno Ecosence | Fish | IMC | 5 | | | | | | | | |
| Kendrapara | 2015 | Kharif, | Water quality management | Application of KMnO ₄ in mitigating low dissolved oxygen condition in pond water | Fish | IMC | 5 | | | | | | | | |

| 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 |
| Kendrapara | 2015 | Kharif, | Fish production technology | Demonstration on Jayanti Rohu | Fish | IMC | 5 | 24 | 31.5 | 31.25 | | | | | |
| Kendrapara | 2015 | Rabi | Fish production technology | Demonstration on intercropping of Java Punti in 3 species of IMC culture | Fish | IMC 4000 Nos. @ 30:40:30 / ha + Java Punti 20% @30:20:40:30 | 5 | 25.5 | 32.3 | 26.67 | | | | | |
| Kendrapara | 2015 | Kharif, | IFS | Demonstration on pond based integrated farming system | Fish, vegetables, duck and poultry | IMC, tissue culture banana (G9), papaya(honey dew), Khaki campbell, Vanaraja | 5 | | | | | | | | |
| Kendrapara | 2015-16 | Rabi | | Demonstration of small scale family quail farming | Quail | Japanese quails (Coturnix coturnix japonica) | 5 | 25 | 35 | 40 | | | | | |
| Kendrapara | 2015-16 | Rabi | Disease management | Demonstration on health management practices for control of diseases in large ruminants (cattle and buffaloes) | | | 5 | | | | | | | | |

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) |
| Kendrapara | Azimsulphuron in transplanted paddy @ 70 g/ha at 12 days after transplanted (2 -3 leaf stage of weeds) | Rice | | | | | | | | | | | |
| Kendrapara | Demonstration on toria variety sushree in irrigated medium land situation | Toria | | 49 | 63 | 18000 | 18000 | 24500 | 31500 | 6500 | 13500 | 1.36 | 1.75 |
| Kendrapara | Demonstration on Hybrid rice variety 27P31 | Rice | | | | | | | | | | | |
| Kendrapara | Demonstration on HYV paddy Hiranmayee | Rice | | 41.2 | 49.7 | 35000 | 35000 | 47380 | 57155 | 12380 | 22155 | 1.35 | 1.63 |
| Kendrapara | Demonstration on HYV tomato Swarna Sampad | Tomato | Fruit weight (Gm) | 35 | 48 | 32000 | 35500 | 160200 | 205200 | 128200 | 169700 | 5.006 | 5.780 |
| Kendrapara | Demonstration on standardized dose of plant growth regulator in bitter gourd | Bitter gourd | Fruit weight (Gm) | 32.2 | 52.5 | 30000 | 35000 | 42500 | 86500 | 12500 | 51500 | 1.41 | 2.47 |

| 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) |
| Kendrapara | Demonstration on potato varieties in irrigated medium land | Potato | Tuber weight (Gm) | 40 | 169 | 60000 | 65000 | 120000 | 236600 | 60000 | 171600 | 2 | 3.64 |
| Kendrapara | Popularization of plastic mulch in watermelon | Watermelon | Fruit weight (Kg) | 3.4 | 4.3 | 65000 | 75000 | 120000 | 141000 | 55000 | 66000 | 1.85 | 1.88 |
| Kendrapara | Demonstration on IPM for yellow stem borer in paddy | Rice | | | | 29320 | 31228 | 39675 | 51635 | 10355 | 20407 | 1.35 | 1.65 |
| Kendrapara | Demonstration on Isoprothilane 40%EC for management blast in paddy | Rice | | | | 29320 | 30500 | 37375 | 51635 | 8055 | 21135 | 1.27 | 1.69 |
| Kendrapara | Demonstration on IPM for plant hoppers in rice | Rice | | | | 29320 | 30000 | 39801.5 | 52900 | 10481.5 | 22900 | 1.36 | 1.76 |
| Kendrapara | Demonstration on bio-pesticide for management of fruit borer in tomato under rice based cropping system | Tomato | | | | 92000 | 94000 | 174000 | 192500 | 82000 | 98500 | 1.89 | 2.05 |
| Kendrapara | Demonstration on water probiotic Uno Ecosence | Fish | | | | | | | | | | | |

| 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) |
| Kendrapara | Application of KMnO ₄ in mitigating low dissolved oxygen condition in pond water | Fish | | | | | | | | | | | |
| Kendrapara | Demonstration on Jayanti Rohu | Fish | | | | 185000 | 205000 | 288000 | 378000 | 103000 | 173000 | 1.56 | 1.84 |
| Kendrapara | Demonstration on intercropping of Java Punti in 3 species of IMC culture | Fish | | | | 195000 | 210000 | 306000 | 387600 | 111000 | 177600 | 1.57 | 1.85 |
| Kendrapara | Demonstration on pond based integrated farming system | Fish, vegetables, duck and poultry | | | | | | | | | | | |
| Kendrapara | Demonstration of small scale family quail farming | Quail | | | | 22000 | 26250 | 27500 | 46600 | 5500 | 20350 | 1.25 | 1.78 |
| Kendrapara | Demonstration on health management practices for control of diseases in large ruminants (cattle and buffaloes) | | | | | | | | | | | | Continuing |

3.4 Information about Home Science FLDs

| 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 |
|------------|---------|---------|-------------------------|---|---|--|--|-------------------|--------------------|----------------------|
| Kendrapara | 2015-16 | Rabi | Nursery management | High mortality of seedling due to improper nursery management | Demonstration on seedling raising using portraits | Nusurey | Demonstration on raising seedling using pro trays | Homestead | - | 5 |
| Kendrapara | 2015-16 | Kharif, | Mushroom production | Low yield of v.volvaceae due to high temperature. | Demonstration on paddy straw mushroom (volvariella diplasia) | Mushroom | Cultivation of mushroom variety volvariella diplasia | Homestead | - | 5 |
| Kendrapara | 2015-16 | Kharif, | Post harvest management | Low market price due to improper ripening and toxic effect of calcium carbide | Demonstration on etherel for ripening of banana | Poultry | Poultry feed | Homestead | - | 5 |
| Kendrapara | 2015-16 | Rabi | Duck Rearing | Low income from fish farming due to high cost of feed | Demonstration of ducks in fish farming | Duck | ducks in fish farming | Homestead | - | 5 |
| Kendrapara | 2015-16 | Rabi | Quail farming | | Demonstration of small scale family quail farming | | | | | |
| Kendrapara | 2015 | Rabi | Cattle and | | Demonstratio | | | | | |

| 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/Enterprises | Farming Situation | Proposed area (ha) | No. of Beneficiaries |
|----------|------|--------|---------------|--------------------|--|--|--|-------------------|--------------------|----------------------|
| a | -16 | | buffaloes | | n on health management practices for control of diseases in large ruminants (cattle and buffaloes) | | | | | |

3.5 Economic Performance Home Science FLDs:

| KVK name | Technology to be Demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|-----------------------------------|----|---------------------------------|----|--------------|----|-------------------------|----|--------------------------|----|---------------------|----|---------------|-----------|--------------------|--------------------|------------------------------------|-----------------------------------|------------|------|---------------|--------------------|
| | | Output m ² /h | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Savings in Rs | BC ratio |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | | |
| Kendra para | Demonstration on seedling raising using prostrays | - | - | - | - | - | - | - | - | - | - | - | - | 800 | 1100 | 1000 | 3000 | Germination-85% Mortality-27.4% | Germination-95% Mortality-3.5% | 200 | 1900 | | T1-1.25 T2-2.72 |
| Kendra para | Demonstration on paddy straw mushroom (volvariella diplasia) | - | - | - | - | -- | - | - | - | - | - | - | - | 4000 | 4000 | 5000 (per 100 bed) | 9000 (per 100 bed) | 0.5 kg/bed | 0.9 kg/bed | 1000 | 5000 | | T1-1.25 T2-2.25 |
| Kendra para | Demonstration on | - | - | - | - | - | - | - | - | - | - | - | - | 400 (Rs.) | 500 (Rs.) | 610 | 840 | Duration of | Duration of | 210 | 340 | - | T1-1.5 |

| KVK name | Technology to be Demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|-----------------------------------|----|---------------------------------|----|--------------|----|-------------------------|----|--------------------------|----|---------------------|----|----------------|----------------|--------------------|--------|-------------------------------------|---|------------|--------|---------------|--------------------|
| | | Output m ² /h | | Est. Energy Expenditure kj/min. | | WHR beat/min | | % reduction in drudgery | | % increase in efficiency | | Production per unit | | Cost of input | | Incremental income | | Yield(Kg/ha) | | Net Return | | Savings in Rs | BC ratio |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | | | |
| | etherel for ripening of banana | | | | | | | | | | | | | 4/- per bunch) | 5/- per bunch) | | | ripening -2 % of ripened fruits-70% | ripening -4 days% of ripened fruits-60% | | | | T2-1.68 |
| Kendra para | Demonstration of ducks in fish farming | | | | | | | | | | | | | 170000 | 185000 | 260000 | 290000 | 26q/ha | 29q/ha | 90000 | 105000 | | T1-1.53 T2-1.57 |

3.6 Training and Extension activities proposed under FLD

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

3.7 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 |
| RYH | Rural Youth |
| EXP | Extension Personnel |

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

| Name of KVK | Category | Training Type | Thematic area | 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 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | |
| AGRONOMY | | | | | | | | | | | | | | | |
| Kendrapara | FW | OFC | SFM | Integrated Nutrient Management in Sugarcane | 1 | 1 | 5 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | SFM | Integrated Nutrient management in jute | 1 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | SFM | Management of alkaline soils | 1 | 1 | 15 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Integrated weed management in paddy | 1 | 1 | 14 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Use of LCC for nitrogen management in paddy | 1 | 1 | 16 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Advance crop production technique for green gram | 1 | 1 | 15 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Micronutrient management in oilseed crops (groundnut, sunflower) | 1 | 1 | 15 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | SRI method of rice cultivation to mitigate climate change | 1 | 2 | 14 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Integrated nutrient management in rice-pulse cropping system | 1 | 2 | 16 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Integrated nutrient management in hybrid rice | 1 | 1 | 17 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Intercropping of sunflower and groundnut for higher production | 1 | 1 | 16 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | FW | OFC | CP | Water management in sugarcane | 1 | 1 | 10 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | |
| Kendrapara | RY | ONC | CP | Vermicompost production for self employment | 1 | 3 | 13 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| Kendrapara | RY | ONC | CP | Certified Seed production for self employment | 1 | 3 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | |
| Kendrapara | IS | ONC | CP | Conservation agriculture for mitigating climatic change | 1 | 1 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Horticulture | | | | | | | | | | | | | | | |

| Name of KVK | Category | Training Type | Thematic area | 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 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| Kendrapara | FW | OFC | HOV | Production technology of orange fleshed sweet potato | 1 | 2 | | | | | | | | |
| Kendrapara | FW | OFC | HOV | Cultivation practices of french bean | 1 | 1 | | | | | | | | |
| Kendrapara | FW | OFC | HOV | Off-season cultivation of tomato in protected condition | 1 | 1 | | | | | | | | |
| Kendrapara | FW | OFC | HOT | Agrotechniques for potato cultivation | 1 | 1 | 04 | 01 | 09 | 00 | 00 | 00 | 08 | 03 |
| Kendrapara | FW | ONC | HOV | Aerated beds : a low cost vegetable cultivation system | 1 | 1 | 00 | 00 | 07 | 18 | 00 | 00 | 00 | 00 |
| Kendrapara | FW | ONC | HOT | Scientific methods of nursery raising | 1 | 1 | 01 | 00 | 12 | 05 | 00 | 00 | 06 | 01 |
| Kendrapara | FW | ONC | HOF | Agrotechniques for banana cultivation | 1 | 1 | 06 | 04 | 00 | 00 | 00 | 00 | 07 | 08 |
| Kendrapara | FW | ONC | HOF | Cultivation practices of onion | 1 | 1 | 00 | 00 | 06 | 00 | 00 | 00 | 19 | 00 |
| Kendrapara | FW | OFC | HOV | Fertilizer management in tomato | 1 | 1 | 00 | 00 | 20 | 00 | 00 | 00 | 05 | 00 |
| Kendrapara | FW | OFC | HOV | Off season tomato cultivation | 1 | 1 | 00 | 00 | 00 | 03 | 00 | 00 | 05 | 17 |
| Kendrapara | FW | OFC | HOV | Weed management of Onion | 1 | 1 | 06 | 00 | 05 | 00 | 00 | 00 | 14 | 00 |
| Kendrapara | FW | OFC | HOV | Nutrient management of cabbage | 1 | 1 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| Kendrapara | RY | OFC | HOO | Propagation techniques for ornamental plants. | 1 | 2 | 00 | 00 | 14 | 00 | 00 | 00 | 01 | 00 |
| Kendrapara | RY | OFC | HOV | Seed production technology of vegetable crops (tomato & brinjal) | 1 | 2 | 03 | 00 | 07 | 00 | 00 | 00 | 05 | 00 |
| Kendrapara | IS | OFC | HOV | Protected cultivation of vegetables | 1 | 2 | 03 | 02 | 02 | 01 | 00 | 00 | 07 | 00 |
| PLANT PROTECTION | | | | | | | | | | | | | | |
| Kendrapara | FW | ONC | PLP | Care and management of paddy straw mushroom in summer season | 1 | 2 | 23 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | PLP | Safe and judicious use of pesticide | 1 | 1 | 18 | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | PLP | Seed borne diseases of paddy and their management | 1 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | PLP | Integrated pest management in Kharif paddy | 1 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Name of KVK | Category | Training Type | Thematic area | 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 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| Kendrapara | FW | OFC | PLP | Integrated disease management in Kharif paddy | 1 | 1 | 19 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | PLP | Integrated disease management in jute | 1 | 2 | 23 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | PLP | Disease management in banana | 1 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | PLP | Pests of Brinjal and their management. | 1 | 2 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | PLP | Pest management in coconut | 1 | 1 | 21 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | PLP | Disease management of cole crops | 1 | 1 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | PLP | Integrated disease management in sunflower | | | | | | | | | | |
| Kendrapara | FW | OFC | PLP | Integrated disease management of potato | | | | | | | | | | |
| Kendrapara | RY | ONC | PLP | Self employment through Paddy straw mushroom cultivation | 1 | 3 | 13 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | RY | ONC | PLP | Self employment through oyster mushroom cultivation | | | | | | | | | | |
| Kendrapara | IS | ONC | PLP | Bee keeping for profit and pleasure | | | | | | | | | | |
| FISHERY | | | | | | | | | | | | | | |
| Kendrapara | FW | ONC | FIS | Seed production in portable FRP carp hatchery | 1 | 2 | 4 | 0 | 21 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | FIS | Seed production in portable FRP carp hatchery | 1 | 2 | 14 | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | FIS | Supplementary feeding in pisciculture tank | 1 | 2 | 9 | 0 | 16 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | FIS | Composite pisculture in village community tank by SHG | 1 | 2 | 20 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | FIS | Integrated farming system | 1 | 2 | 17 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | ONC | FIS | Prophylaxis and fish disease control in pisciculture tanks | 1 | 2 | 22 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | FIS | Pond preparation & pre stocking management in pisciculture ponds | 1 | 1 | 7 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | FW | OFC | FIS | Liming & fertilization in | 1 | 1 | 0 | 0 | 11 | 14 | 0 | 0 | 0 | 0 |

| Name of KVK | Category | Training Type | Thematic area | 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 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| | | | | pisciculture tanks. | | | | | | | | | | |
| Kendrapara | FW | ONC | FIS | Animal surveillance | 1 | 2 | 17 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| Kendrapara | RY | OFC | FIS | Fry and fingerling rearing | 1 | 1 | 12 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Kendrapara | RY | ONC | FIS | Integrated farming system | 1 | 1 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Home Science | | | | | | | | | | | | | | |
| Kendrapara | FW | OFC | WOE | Role of Farmwomen in Integrated duck farming. | 1 | 2 | | 20 | | 5 | | | | |
| Kendrapara | FW | OFC | WOE | Azolla a supplementary feed for diary animals | 1 | 1 | | 14 | | 11 | | | | |
| Kendrapara | FW | OFC | WOE | Scientific method of seedling raising | 1 | 1 | | 1 | | 24 | | | | |
| Kendrapara | FW | ONC | WOE | Value addition of banana | 1 | 3 | | 17 | | 8 | | | | |
| Kendrapara | FW | ONC | WOE | Value addition of mushroom | 1 | 3 | | 20 | | 5 | | | | |
| Kendrapara | FW | OFC | WOE | Women friendly equipments in agriculture | 1 | 1 | | 19 | | 6 | | | | |
| Kendrapara | FW | OFC | WOE | Rural backyard poultry : a viable option | 1 | 1 | | 24 | | 1 | | | | |
| Kendrapara | FW | ONC | WOE | Value addition of surplus milk | 1 | 2 | | 18 | | 7 | | | | |
| Kendrapara | FW | OFC | WOE | Fodder cultivation | 1 | 1 | | 20 | | 5 | | | | |
| Kendrapara | FW | OFC | | Vaccination & deworming of kids | 1 | 1 | | 12 | | 13 | | | | |
| Kendrapara | FW | OFC | WOE | Maintenance of nutritional garden | 1 | 1 | | 23 | | 2 | | | | |
| Kendrapara | FW | OFC | WOE | Methods of storage of Rice & Pulses | 1 | 1 | | 20 | | 5 | | | | |
| Kendrapara | RY | ONC | WOE | Value addition of brinjal and chilli | 1 | 3 | | 13 | | 2 | | | | |
| Kendrapara | RY | ONC | WOE | Value added products of coir | 1 | 3 | | 13 | | 2 | | | | |
| Kendrapara | IS | ONC | WOE | Low cost vermi units and vermicomposting | 1 | 1 | | 13 | | 2 | | | | |
| Veterinary Science & Animal Husbandry | | | | | | | | | | | | | | |
| Kendrapara | FW | ONC | LPM | Varietal analysis of ducks and their management | 1 | 2 | 21 | 0 | 4 | 0 | | | | |
| Kendrapara | FW | OFC | LPM | Conservation and improvement of kendrapara goats | 1 | 1 | 17 | 0 | 8 | 0 | | | | |
| Kendrapara | FW | ONC | LPM | Prevention of diseases in dairy animals | 1 | 2 | 14 | 2 | 10 | 0 | | | | |

| Name of KVK | Category | Training Type | Thematic area | 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 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| Kendrapara | FW | ONC | LPM | Azolla as feed for dairy animals and poultry | 1 | 2 | 0 | 23 | 0 | 2 | | | | |
| Kendrapara | FW | OFC | LPM | Maintenance of layer birds as revenue generator | 1 | 2 | 0 | 24 | 0 | 1 | | | | |
| Kendrapara | FW | OFC | LPM | Inculment of vitamins and mineral mixtures for milk production of milch animals | 1 | 1 | 5 | 0 | 20 | 0 | | | | |
| Kendrapara | FW | OFC | LPM | Maintenance of cattle shed and cow dung for fuel production | 1 | 2 | 6 | 5 | 10 | 4 | | | | |
| Kendrapara | FW | RY | LPM | Quail as sustainable livelihood support | 1 | 3 | 3 | 7 | 2 | 3 | | | | |
| Kendrapara | FW | RY | LPM | Management of sheep for sustainable livelihood | 1 | 3 | 0 | 14 | 0 | 1 | | | | |
| Kendrapara | FW | IS | LPM | Prevention and management of Foot and mouth disease in cattle | 1 | 1 | 12 | 0 | 3 | 0 | | | | |

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

| Name of KVK | Training title | Crop / Enterprise | Identified Thrust Area | Duration of training (days) | Number of Beneficiaries | | | | | | | | |
|-------------|---|-----------------------|------------------------------|-----------------------------|-------------------------|---|----|---|----|---|--------|---|--|
| | | | | | Gen | | SC | | ST | | Others | | |
| | | | | | M | F | M | F | M | F | M | F | |
| Kendrapara | Integrated farming system model for self employment | Paddy+vegetable+diary | Integrated farming | 05 | | | | | | | | | |
| Kendrapara | Bee keeping for profit and pleasure | Enterprise | Bee keeping | 05 | | | | | | | | | |
| Kendrapara | Nursery management practices | Crop | Planting material production | 05 | | | | | | | | | |
| Kendrapara | Fry and fingerling rearing | Crop | Production technology | | | | | | | | | | |
| Kendrapara | Different home decoratives from golden grass | enterprise | Value addition | 03 | | | | | | | | | |

Table 5.3. 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 5.4. 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 | | |
| Kendrapara | Skill development training on small ruminants and poultry production technology | small ruminants and poultry production technology | LPM | RY | 30 | 90 | 18 | 4 | | | 4 | 4 | | | Watershed Govt. of Odisha | 436500 |

Table 5.5 Training Programmes for Panchayatiraj 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 5.6 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 | |
| Kendrapara | Integrated Nutrient Management in Sugarcane | | | | | | | | |
| Kendrapara | Integrated Nutrient management in jute | | | | | | | | |
| Kendrapara | Management of alkaline soils | | | | | | | | |
| Kendrapara | Integrated weed management in paddy | | | | | | | | |

| 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 | |
| Kendrapara | Use of LCC for nitrogen management in paddy | | | | | | | | |
| Kendrapara | Advance crop production technique for green gram | | | | | | | | |
| Kendrapara | Micronutrient management in oilseed crops (groundnut, sunflower) | | | | | | | | |
| Kendrapara | SRI method of rice cultivation to mitigate climate change | | | | | | | | |
| Kendrapara | Integrated nutrient management in rice-pulse cropping system | | | | | | | | |
| Kendrapara | Integrated nutrient management in hybrid rice | | | | | | | | |
| Kendrapara | Intercropping of sunflower and groundnut for higher production | | | | | | | | |
| Kendrapara | Water management in sugarcane | | | | | | | | |
| Kendrapara | Vermicompost production for self employment | | | | | | | | |

| 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 | |
| Kendrapara | Certified Seed production for self employment | | | | | | | | |
| Kendrapara | Conservation agriculture for mitigating climatic change | | | | | | | | |
| Kendrapara | Agrotechniques for potato cultivation | | | | | | | | |
| Kendrapara | Aerated beds : a low cost vegetable cultivation system | | | | | | | | |
| Kendrapara | Scientific methods of nursery raising | | | | | | | | |
| Kendrapara | Agrotechniques for banana cultivation | | | | | | | | |
| Kendrapara | Cultivation practices of onion | | | | | | | | |
| Kendrapara | Fertilizer management in tomato | | | | | | | | |
| Kendrapara | Off season tomato cultivation | | | | | | | | |
| Kendrapara | Weed management of Onion | | | | | | | | |
| Kendrapara | Nutrient management of cabbage | | | | | | | | |

| 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 | |
| Kendrapara | Propagation techniques for ornamental plants. | | | | | | | | |
| Kendrapara | Seed production technology of vegetable crops (tomato & brinjal) | | | | | | | | |
| Kendrapara | Protected cultivation of vegetables | | | | | | | | |
| Kendrapara | Care and management of paddy straw mushroom in summer season | | | | | | | | |
| Kendrapara | Safe and judicious use of pesticide | | | | | | | | |
| Kendrapara | Seed borne diseases of paddy and their management | | | | | | | | |
| Kendrapara | Integrated pest management in Kharif paddy | | | | | | | | |
| Kendrapara | Integrated disease management in Kharif paddy | | | | | | | | |
| Kendrapara | Integrated disease management in jute | | | | | | | | |
| Kendrapara | Disease management in banana | | | | | | | | |

| 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 | |
| Kendrapara | Pests of Brinjal and their management. | | | | | | | | |
| Kendrapara | Pest management in coconut | | | | | | | | |
| Kendrapara | Disease management of cole crops | | | | | | | | |
| Kendrapara | Integrated disease management in sunflower | | | | | | | | |
| Kendrapara | Integrated disease management of potato | | | | | | | | |
| Kendrapara | Self employment through Paddy straw mushroom cultivation | | | | | | | | |
| Kendrapara | Self employment through oyster mushroom cultivation | | | | | | | | |
| Kendrapara | Bee keeping for profit and pleasure | | | | | | | | |
| Kendrapara | Seed production in portable FRP carp hatchery | | | | | | | | |
| Kendrapara | Seed production in portable FRP carp hatchery | | | | | | | | |
| Kendrapara | Supplementary feeding in pisciculture tank | | | | | | | | |

| 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 | |
| Kendrapara | Composite pisculture in village community tank by SHG | | | | | | | | |
| Kendrapara | Integrated farming system | | | | | | | | |
| Kendrapara | Prophylaxis and fish disease control in pisciculture tanks | | | | | | | | |
| Kendrapara | Pond preparation & pre stocking management in pisciculture ponds | | | | | | | | |
| Kendrapara | Liming & fertilization in pisciculture tanks. | | | | | | | | |
| Kendrapara | Animal surveillance | | | | | | | | |
| Kendrapara | Fry and fingerling rearing | | | | | | | | |
| Kendrapara | Integrated farming system | | | | | | | | |
| Kendrapara | Role of Farmwomen in Integrated duck farming. | | | | | | | | |
| Kendrapara | Azolla a supplementary feed for diary animals | | | | | | | | |

| 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 | |
| Kendrapara | Scientific method of seedling raising | | | | | | | | |
| Kendrapara | Value addition of banana | | | | | | | | |
| Kendrapara | Value addition of mushroom | | | | | | | | |
| Kendrapara | Women friendly equipments in agriculture | | | | | | | | |
| Kendrapara | Rural backyard poultry : a viable option | | | | | | | | |
| Kendrapara | Value addition of surplus milk | | | | | | | | |
| Kendrapara | Fodder cultivation | | | | | | | | |
| Kendrapara | Vaccination & deworming of kids | | | | | | | | |
| Kendrapara | Maintenance of nutritional garden | | | | | | | | |
| Kendrapara | Methods of storage of Rice & Pulses | | | | | | | | |
| Kendrapara | Value addition of brinjal and chilli | | | | | | | | |
| Kendrapara | Value added products of coir | | | | | | | | |
| Kendrapara | Low cost vermi units and vermicomposting | | | | | | | | |
| Kendrapara | Varietal analysis of ducks and their management | | | | | | | | |

| 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 | |
| Kendrapara | Conservation and improvement of kendrapara goats | | | | | | | | |
| Kendrapara | Prevention of diseases in dairy animals | | | | | | | | |
| Kendrapara | Azolla as feed for dairy animals and poultry | | | | | | | | |
| Kendrapara | Maintenance of layer birds as revenue generator | | | | | | | | |
| Kendrapara | Inculment of vitamins and mineral mixtures for milk production of milch animals | | | | | | | | |
| Kendrapara | Maintenance of cattle shed and cow dung for fuel production | | | | | | | | |
| Kendrapara | Quail as sustainable livelihood support | | | | | | | | |
| Kendrapara | Management of sheep for sustainable livelihood | | | | | | | | |
| Kendrapara | Prevention and management of Foot and mouth disease in cattle | | | | | | | | |

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 | | | |
| | Field Day | 2 | 2 | - | 55 | - | 45 | - | - | - | Paddy straw mushroom cultivation v. Diplasia Field day on Poultry breed | At the time of fruiting & at 3 months |
| Kendrapara | Kisan Mela | | | | | | | | | | | |
| Kendrapara | Kisan Ghosthi | 1 | 1 | - | 67 | - | 33 | - | - | - | - | - |
| Kendrapara | Exhibition | | | | | | | | | | | |
| Kendrapara | Film Show | | | | | | | | | | | |
| Kendrapara | Method Demonstrations | | | | | | | | | | | |
| Kendrapara | Farmers Seminar | | | | | | | | | | | |
| Kendrapara | Workshop | | | | | | | | | | | |
| Kendrapara | Group meetings | | | | | | | | | | | |
| Kendrapara | Lectures delivered as resource persons | | | | | | | | | | | |
| Kendrapara | Newspaper coverage | | | | | | | | | | | |
| Kendrapara | Radio talks | | | | | | | | | | | |
| Kendrapara | TV talks | | | | | | | | | | | |
| Kendrapara | Popular articles | | | | | | | | | | | |
| Kendrapara | Extension Literature | | | | | | | | | | | |
| Kendrapara | Farm advisory Services | | | | | | | | | | | |
| Kendrapara | Scientific visit to farmers field | | | | | | | | | | | |
| Kendrapara | Farmers visit to KVK | | | | | | | | | | | |
| Kendrapara | Diagnostic visits | | | | | | | | | | | |
| Kendrapara | Exposure visits | | | | | | | | | | | |
| Kendrapara | Ex-trainees Sammelan | | | | | | | | | | | |
| Kendrapara | Soil health Camp | | | | | | | | | | | |
| Kendrapara | Animal Health Camp | | | | | | | | | | | |
| Kendrapara | Agri mobile clinic | | | | | | | | | | | |
| Kendrapara | Soil test campaigns | | | | | | | | | | | |
| Kendrapara | Farm Science Club conveners meet | | | | | | | | | | | |
| Kendrapara | Self Help Group conveners meetings | | | | | | | | | | | |
| Kendrapara | Mahila Mandals conveners meetings | | | | | | | | | | | |

| 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 | Topics | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| Kendrapara | Celebration of important days (World environment day) | | | | | | | | | | | |

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 |
|------------|---------------|-------------|--------------------------|------------------------------|
| Kendrapara | April, 2015 | Quarterly | 2000 | 2000 |

7.2 Literature developed/published

| KVK Name | Type | Title | Author's name | Number of copies |
|------------|-----------------|---|-------------------------------------|------------------|
| Kendrapara | Booklet | Baigyanika Pranalire Makka Chasa | L K Mohanty | 500 |
| Kendrapara | Booklet | Fasalare Annabana Ghasa Niyatrana | L K Mohanty | 500 |
| Kendrapara | Booklet | Baigyanika Pranalire Muga Chasa | L K Mohanty, N Mohapatra, P K Sahoo | 500 |
| Kendrapara | Training Manual | Training manual on small ruminant and poultry development technology. | L K Mohanty, Lipsa Dash | 40 |

7.3 Details of Electronic Media Produced

| KVK Name | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|------------|---|------------------------|--------|
| Kendrapara | | | |

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.) |
|------------|-------------------|------------|------------|----------------|-------------|----------------------------|------------------------------|
| Kendrapara | Cereals | Paddy | Rani dhan | 50.0 | 124200 | | |
| Kendrapara | | Paddy | Pratikshya | 50.0 | 124200 | | |
| Kendrapara | | Paddy | Lalat | 26.0 | 64584 | | |
| Kendrapara | Pulses | Black gram | PU-31 | 3.38 | | | |

8.2 Planting Material production

| KVK Name | Major group/class | Crop | Variety | Nos. | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|------------|-------------------|-------------|----------------|------|-------------|----------------------------|------------------------------|
| Kendrapara | Vegetable | Tomato | Swarna sampad | 6000 | 6000 | 50 | 0.8 |
| Kendrapara | Vegetable | Brinjal | Tarini, VNR B5 | 1000 | 1000 | 30 | 0.13 |
| Kendrapara | Vegetable | Cabbage | Megha | 500 | 500 | 15 | 0.06 |
| Kendrapara | Vegetable | Cauliflower | Snowball | 470 | 470 | 5 | 0.06 |
| Kendrapara | Vegetable | Papaya | Honey dew | 63 | 630 | 10 | 0.01 |

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.) |
|------------|--|---------------------|-------------|-------------|-------------|----------------------------|------------------------------|
| Kendrapara | Bio Agents | | | | | | |
| Kendrapara | Bio Agents | | | | | | |
| Kendrapara | Bio Fertilizer | Vermicompost | 1000 | | 5000 | | |
| Kendrapara | | Vermin | 2 | | 1000 | | |
| Kendrapara | Bio Fertilizer | | | | | | |

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 |
|------------|--------------------------------------|-----------------------|------------------|----------------------|-------------|----------------------|
| Kendrapara | Poultry | Red Cornish, Banaraja | Chicks | 800 | 40600 | |
| Kendrapara | Duckling | Khaki Campbell | Ducklings | 463 | 27230 | |
| Kendrapara | Fisheries | Fish seed | Fry, fingerlings | 103875 | 94620 | |
| Kendrapara | | Koel | | 137 | 8030 | |
| Kendrapara | | Guinea fowl | | 20 | 1000 | |
| | Others (Specify) | | | | | |
| Kendrapara | Mushroom | P. Sajorcaju | | 301kg | 21080 | |
| Kendrapara | Mushroom spawn | | | 400 bottle | 5200 | |
| Kendrapara | Vegetables | | | | 5800 | |

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) |
|------------|--------------------------------|-----------------------|---------|----------------|----------------|-----------------|-----------------|--|
| Kendrapara | Functioning | 2005-06 | Soil | 1000 | | | | |

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) |
|------------|--------------------------------|-----------------------|--------------|----------------|----------------|-----------------|-----------------|---|
| Kendrapara | Functioning | 2005-06 | Water sample | 100 | | | | |

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 |
| Kendrapara | | | | | | | | | | |

11. Utilization of Farmers Hostel facilities

| 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

| 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 |
|------------|---------------------|-----------------------------|---|
| Kendrapara | 14.07.2015 | 30 | <ol style="list-style-type: none"> 1. Demonstration on management of Panama wilt in banana 2. Off season cultivation of vegetables should be conducted by the KVK. 3. Experiment on raising of early seedling, early planting of vegetables 4. Horticulture based IFS should be popularized among the farmers 5. Cultivation of paddy straw mushroom in poly house should be popularized by the KVK. 6. Promotion of paddy cum fish culture in the district. 7. Use of proper variety of green gram with maximum profit to the farmer 8. To conduct more numbers of OFT trials basing on local problems in different villages. 9. Demonstration on saline resistant variety of paddy should be conducted in the district. 10. System of Rice Intensification to be done under the supervision of the scientist 11. Testing of short duration variety of paddy. 12. Efforts to made to demonstrate direct sown rice 13. Demonstration on eco friendly management of stem rot in jute 14. Coordination among line departments for effectiveness of different activity in agriculture. |
| Kendrapara | 19.01.2016 | 30 | <ol style="list-style-type: none"> 1. Assessment of green gram varieties with date of sowing. 2. Assessment of yield of pulses through use of DAP fertilizer. 3. Assessment of pulses varieties tolerant YMV. 4. Demonstration on Paira cropping of pulses. 5. Emphasis on organic farming for green gram production. 6. Demonstration on low cost onion structure. 7. Demonstration on Zero Energy Cool Chambers. |

| | | | |
|--|--|--|---|
| | | | 8. Testing and standardisation of growth regulators and hormones in fruits and vegetables. 9. Integrated vegetable unit in poly / green house. 10. Assessment, evaluation and standardisation of pesticide for control of Panama wilt of banana. 11. Assessment for control of fruit borer in bitter gourd. 12. Assessment to control powdery mildew and downy mildew in pumpkin. 13. Demonstration of small scale fodder cultivation to feed cattle during flood situation. 14. Training on value addition of milk to avoid distress sale particularly during milk holiday 15. Herbicides for weedy rice. 16. Assessment of suitable rice varieties for salt affected areas of the district. |
|--|--|--|---|

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

| KVK Name | No. of messages sent | No. of beneficiary | | Sponsoring agency (NIC, Farmers Portal, etc.) | Major recommendations |
|------------|----------------------|--------------------|------------|---|--|
| | | Farmers | Ext. Pers. | | |
| Kendrapara | 36 | 5000 | 20 | Farmers portal, Reliance foundation | IPM, INM, ICM, crop production, Mushroom production, disease management of small and large animals |

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 |
|------------|----------------|--------------------------------|----------------------|----------------------|------------------|---------|
| Kendrapara | | | | | | |

16. Status of Revolving Funds (Rs.)

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|------------|-------------|-----------------------|-----------------------|----------------------|
| Kendrapara | | | | |

17. Awards & Recognitions

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

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.) |
|------------|-------------|--|---|
| Kendrapara | | | |

b) Details about Technology Park

| Name of KVK | Name of Component of Park | Detail Information (If established) |
|-------------|---------------------------|-------------------------------------|
| Kendrapara | Crop Cafeteria | |
| Kendrapara | Technology Desk | |
| Kendrapara | Visitors Gallery | |
| Kendrapara | Technology Exhibition | |
| Kendrapara | Technology Gate-Valve | |

c). Crop Cafeteria-

| Sr. No. | Theme of Crop Cafeteria | No. of Crop Cafeteria |
|---------|-------------------------|-----------------------|
| | | |

| | | |
|------------|--|--|
| Kendrapara | | |
|------------|--|--|

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. |
|---------|-------------|------------------------|------------------------|---------------------------------------|
| | | | | |

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 |
| | | | | |

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, if applicable.

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

23. KVK Ring

| Sr. No. | Name of Ring Partner | Sharing Activity | Lessons learnt/ Experiences gained. |
|---------|----------------------|------------------|-------------------------------------|
| | | | |

24. Important visitors to KVK

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|-------------|-----------------|---------------|------|------|--------|---------|
| Kendrapara | | | | | | |

25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---------|-------------|--------------------------|--------------------------------|-----------------|
| | Kendrapara | | | |

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 | | | |
| Kendrapara | | | | | | | |

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 |
|-------------|---------------|-----------|--------------------------|---------|
| Kendrapara | | | | |
| | Total | | | |

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

30. Attended HRD Programmes organized by DES

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

| 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 |
|-------------|---------------|-----------|---------------------------|---------|
| Kendrapara | | | | |

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

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 |
|-------------|----------------|-------------|--------------------------|
| | | | |

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|-------------|---------------------|-------------------|------------------------|-----------------------------------|
| | | | | |

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

| 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 |
| | | | | |

Verms Produced

| | | | | |
|-------------|----------------|--------------|-----------------------|----------------|
| Name of KVK | Verms 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 |
| | | | | | | | | | | | | |

35. Proposal of NICRA

1. Technologies to be Demonstrated

| Name of Technology | Name of Crop | Area (ha.) | Yield | % change in Yield | No. of farmers benefitted |
|--------------------|--------------|------------|------------|-------------------|---------------------------|
| Green manuring, of | Dhaincha | 10 | 4780 kg/ha | 15.74 | 10 |

| Name of Technology | Name of Crop | Area (ha.) | Yield | % change in Yield | No. of farmers benefitted |
|--|-------------------------|------------|--|-------------------|---------------------------|
| Dhaincha .Addition of nutrient (NPK) in soil. | | | | | |
| Fertilizer management of plantation crops casuarina and cashew | casuarina and cashew | 3 | Cashew Plant Height-1.5 m Casuarina Plant height-3.5m | - | 25 |
| Demonstration on Vermi compost unit | - | 7 unit | -- | - | 7 |
| Mulching in Brinjal | Brinjal Var.VNRB-5 | 1 | 32000 kg/ha | 30.7 | 10 |
| Demonstration of Flood tolerant Paddy var. Swarna sub-1 | Paddy var. Swarna Sub-1 | 10 | | | 20 |
| IP M in Sugarcane | Sugarcane | 2 | 124000 kg/ha | 24.7 | 30 |
| IPM in Paddy | Paddy | 2 | 5620 kg/ha | 38.08 | 25 |
| Horti based farming system (Banana cv TC Bantal | Banana | 10 unit | Continue | - | 10 |
| Demonstration of paddy straw Mushroom cultivation | Mushroom | | 1.5 kg per bed | -- | 25 |
| Demonstration of Tomato var. Swarna sampada | Tomato | 1 | 41000 kg/ha | 54.8 | 10 |
| Demonstration on cultivation of Ground nut var. | Groundnut | 4 | 2410 kg/ha | 25.52 | 10 |
| INM in Geengram | Greengram | 2 | 660 kg/ha | 46.67 | 10 |
| INM Blackgram | Blackgram | 2 | 640 kg/ha | 42.3 | 10 |
| Demonstration of Oyster Mushroom Cultivation | Mushroom | | 2.2 kg per bed | - | 30 |
| Nutritional Management of cows | - | 30 cow | 36 per lit | 100 | 30 |

2. Proposed Extension Activities in NICRA Village

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|--------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | Total |
| Animal Health camp | 50 | 25 | 8 | 83 |
| Exposure visit | 50 | - | 2 | 52 |

3. Proposed Training Activities in NICRA Village

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

4. Proposed Activities for Fodder Bank

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

5. Proposed 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

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

SAGA OF A HOUSEWIFE TO A SUCCESSFUL MUSHROOM ENTREPRENEUR

Name : Mrs. Surama Jena
Address : W/O Ramesh Chandra Jena
 At/PO : Garjanga
 Dist : Kendrapara

Age : 48 years
Educational qualification : Matriculate
Family members : 6
Landed property : 0.5 ha
Social recognition : President of Mushroom Federation, Kendrapara

It is true that a woman can prove herself and be successful in whatever she puts her mind to. Mrs. Surama Jena is one among the successful entrepreneurs in Kendrapara district of Odisha who has carved a niche for herself in a very short span of time. Over 7 years of struggle for success, she has not only paved the way of employment generation but also she is regarded as an advance farmer in the field of mushroom cultivation.

Being a wife of a driver and mother of three kids, Surma Jena did not wish to just be confined to her house only. A BPL and matriculate, she wanted to do something on her own which she can master and which will add an extra income to her family.

During a normal discussion with neighbors, Smt Jena learnt about the prospects and opportunities of mushroom cultivation in 2008. She says I started growing mushrooms with a mere amount of Rs.60/- on experiment basis. She told, I supplied my first crop of paddy straw mushrooms to friends and relatives. Though their appreciation encouraged her to step into the real business world of mushroom cultivation, she was afraid to start as she was not trained in mushroom cultivation. Discussions followed by technical visits to various mushroom units gave her the confidence of growing mushroom. The need for scientific mushroom cultivation was felt immensely as a cultivator in 2008 and she established contact with the Krishi Vigyan Kendra, Kendrapara based on advice of her neighbors. She was trained at Krishi Vigyan Kendra, Kendrapara in scientific methods of mushroom cultivation (Paddy straw and Oyster). Further training at **Centre for Tropical Mushroom Research and Training Institute, Orissa University of Agriculture & Technology** boosted her self confidence and growing mushrooms became an easy task without compromising on quality.

Surama's business grew by leaps and bounds and now she owns a well equipped mushroom unit with an average production of 35kg of paddy straw mushroom per day during Kharif and 55kg of oyster mushroom per day during Rabi. Her average contribution to her family income is Rs.35,000/- per month. With this she was able to provide quality education to all her three children's. The elder daughter is a cost accountant, second daughter BTECH and youngest son is a Diploma holder. Hard work together with the determination to do something different bore fruits as proved by Surama.

She also bagged several prestigious awards from the OUAT and State Govt. in various occasions. She is providing direct and indirect employment to more than 100 peoples in the district

It has been an incredible journey for the 48-year-old Surama who not only transformed herself from a simple housewife into a successful woman entrepreneur but also provided quality education to her children with minimum resources at her disposal.

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