



ANNUAL PROGRESS REPORT

April 2013 to March 2014

KRISHI VIGYAN KENDRA KENDRAPARA



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

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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. Gray 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 Horse gram, 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 2013 to March 2014

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

| S.N. | Quantifiable Achievement | Number | Beneficiaries (nos.) | |
|----------|--|--------------------------|-----------------------------|---------------------|
| 1 | On Farm Testing | | | |
| | Proposed OFT | 20 | | 232 |
| | On Going OFT | 4 | | 52 |
| | Technologies assessed (Completed OFT) | 16 | | 180 |
| | Technologies refined | - | | - |
| | On farm trials conducted | 20 | | 232 |
| 2 | Frontline demonstrations | | | |
| | Proposed Frontline demonstrations | 20 | | 100 |
| | On Going Frontline demonstrations | 1 | | 5 |
| | FLDs conducted on crops | 12 | | 60 |
| | Area under crops (ha.) | 12 | | 60 |
| | FLD on farm implement and tools | - | | - |
| | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.) | 2 | | 10 |
| | FLD on Fisheries - Finger lings | 4 | | 20 |
| | FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.) | 2 | | 10 |
| | FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.) | 1 | | 5 |
| 3 | Training programmes | No. of Course | Duration (days) | Participants |
| | Farmers | 48 | 56 | 1640 |
| | Farm women | 12 | 19 | 360 |
| | Rural youth | 16 | 31 | 300 |
| | Extension personnel/ In service | 9 | 15 | 140 |
| | Vocational trainings | 6 | 22 | 60 |
| | Sponsored Training | 91 | 143 | 2500 |
| | Total | | | |
| | | No. of programmes | Participants | |
| 4 | Extension Programmes | 275 | 5378 | |
| 5 | Production of technology inputs etc | Qty | Beneficiaries (nos.) | |
| | Seed (qt.) | 86 | OSSC | |
| | Planting material produced (nos.) | 3250 | 80 | |
| 6 | Livestock | Qty | Beneficiaries (nos.) | |
| | Livestock strains (Nos) | | | |
| | Milk Yield - Cow, Buffalo etc. (in liter) | | | |
| | Fish (Kg.) | | | |
| | Fingerlings (nos.) | 230000 | 40 | |
| | Poultry-Eggs (nos.) | | | |
| | Ducks (nos.) | 200 | 20 | |
| | Chicks etc. (nos.) | 2000 | 105 | |

| | | | |
|----|--|-----------------------------|------------------------------------|
| 7 | Bio Products | | |
| | Bio Agents -Earth worm (Kg.) | 1 | 2 |
| | Trichoderma (kg.) | | |
| | Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.) | 600 | 21 |
| | 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 | 2 | 1000 |
| | SAC Meetings conducted | 1 | 26 |
| | Soil sample tested | 1001 | 925 |
| | Water sample tested | 10 | 10 |
| | RWH System (Special training and field visit on RWH structure and MIS in KVKs) | 1 | 50 |
| | KVK-KMA (Message and beneficiaries) | 350 | 2925 |
| | Convergence programmes | 3 | 135 |
| | Sponsored programmes | - | - |
| | KVK Progressive Farmers interaction | 3 | 160 |
| | No. of Technology Week Celebrations | 1 | 50 |
| | Attended HRD activities organized by ZPD | - | - |
| | Attended HRD activities organized by DES | 9 | 9 |
| | Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.) | 1 | 1 |
| 9 | Current status of Revolving Funds (Amt. in Rs.) | | |
| 10 | | No. of blocks | No. of villages |
| | Outreach of KVK in the District | 9 | 350 |
| 11 | | ICAR | SAU Others |
| | No. of important visitors to KVK (nos.) | 2 | 20 30 |
| 12 | | Working (Yes/No) | No. of Update |
| | Status of KVK Website | Yes | 6 |
| 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 | 15 | 1 |
| 17 | Workshop/ Seminar/ Conference attended by staff of KVK (nos) | 6 | |
| 18 | Publication received from ICAR /other organization (nos.) | 12 | |
| 19 | | Particulars | Organization |
| | Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR) | Cyclone, flood | ZPD, OUAT, CRIDA |

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2014

| Name of KVK | Sanctioned Posts | PC (1) | | SMS (6) | | PA (3) | | Admn. (6) | | Total | |
|-------------|------------------|--------|--------|---------|--------|--------|--------|-----------|--------|-------|--------|
| | | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled | Sanc. | Filled |
| | 16 | 1 | 1 | 6 | 5 | 3 | 3 | 6 | 6 | 16 | 15 |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Higist degree | Subject of specilization | Pay scale | Present pay | Date of joing | Per./Temp. | Category |
|-------------|-----------------------------|--------------------------|---------------------------|--------------------------------------|--------------------------|-------------------------|-------------|-----------------|------------|----------|
| Kendrapara | Programme Coordinator | Mrs. Anjali Ray | Home science | M.Sc. | Home science | Rs. 37400- Rs. 67,000/- | 48110 | 10.01.11 (FN) | permanent | General |
| Kendrapara | Subject Matter Specialist1 | Sri Lalita kumar Mohanty | SMS (Agronomy) | M.Sc. Ag | Agronomy | 15600/- to 39100/- | 21390 | 1.08.2011 (FN) | permanent | General |
| Kendrapara | Subject Matter Specialist2 | Dr. Debasis Behera | SMS (Horticulture) | M.Sc. Ag Ph.D, Ex. MBA | Horticulture | 15600/- to 39100/- | 21390 | 6.12.2012 (F.N) | permanent | General |
| Kendrapara | Subject Matter Specialist3 | Sri Manoj Ku. Rout | SMS (Plant protection) | M.Sc. Ag | Plant pathology | 15600/- to 39100/- | 20590 | 22.10.08 (FN) | permanent | General |
| Kendrapara | Subject Matter Specialist4 | vacant | - | - | - | - | - | - | - | - |
| Kendrapara | Subject Matter Specialist5 | Sri Nabakishor Sial | SMS (Fishery science) | M.F.Sc. | Fishery science | 15600/- to 39100/- | 17610 | 18.02.11 (FN) | permanent | SC |
| Kendrapara | Subject Matter Specialist6 | Mrs. Namita Mohapatra | SMS (Home Science) | M.Sc. | Home science | 15600/- to 39100/- | 18320 | 12.01.2012 (FN) | permanent | General |
| Kendrapara | Programme Assistant | Smt. Annapurna Saran | Prog.Asst. (Home science) | B.Sc | Home science | 9300/- to 34800/- | 20270 | 3.07.96 (FN) | permanent | General |
| Kendrapara | Farm Manager | Mr. Pankaj Ku. Chowdhury | Farm Manager | B.Sc. Ag, M.Sc. Agril. biotechnology | Agril. biotechnology | 9300/- to 34800/- | 18260 | 29.08.2013 (FN) | permanent | General |
| Kendrapara | Computer Programmer | Mrs. Sangita Panda | Prog. Asst. (Computer) | B.Sc | Comp. science | 9300/- to 34800/- | 11940 | 11.06.07 (FN) | permanent | General |
| Kendrapara | Accountant / superintendent | Sri Kamal Ranjan Mohanty | Section Officer | B.A | - | 9300/- to 34800/- | 12920 | 20.02.2014 (FN) | permanent | General |

| Name of KVK | Sanction post | Name of the incumbent | Discipline | Higist degree | Subject of specilization | Pay scale | Present pay | Date of joing | Per./Temp. | Category |
|-------------|------------------|--------------------------|------------------------------|------------------|--------------------------|--------------------|-------------|---------------|------------|----------|
| Kendrapara | Stenographer | Kishore Chandra Das | Jr. Steno cum Comp. Operator | B.Sc | Stenography, DCA | 5200/-to 20200/- | 6980 | 20.03.08 (FN) | | General |
| Kendrapara | Driver | Nirakar Pradhan | Driver-cum-mechanic | 9 th | - | 5200/-to 20200/- | 6600 | 7.01.10 (FN) | | General |
| Kendrapara | Driver | Rajesh Ku. Behera | Driver cum Mechanic | 9 th | - | 5200 to 20,200 | 6110 | 23.07.08 (FN) | | SC |
| Kendrapara | Supporting staff | Babuli Charan Das | peon cum watchman | 5 th | - | Rs.4440-Rs.7440 | 5180 | 29.7.08 (FN) | | SC |
| Kendrapara | Supporting staff | Krushna chandra Bhujabal | peon cum watchman | 10 th | - | Rs.4440-Rs.7440/-- | 5180 | 29.07.08 (FN) | | OBC |

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 | | |
| | | DERABISH | 26 | 129532 | 78.98 | 31712 | | |
| | | PATTAMUNDAI | 30 | 179924 | 76.57 | 49527 | | |
| | | AUL | 32 | 136297 | 78.01 | 30406 | | |
| | | RAJKANIKA | 30 | 126887 | 77.12 | 27084 | | |
| | | RAJNAGAR | 5 | 145301 | 71.88 | 18682 | | |
| | | MARSHAGHAI | 23 | 115103 | 79.08 | 21070 | | |
| | | MAHAKALAPARA | 27 | 191745 | 71.90 | 36407 | | |
| | | GARADPUR | 18 | 98297 | 86.20 | 20740 | | |

Large farmers more than 10 ha land holdings: - 116
Semi medium farmers 2-4 ha land holdings: - 14689
Small farmers 1-2 ha land holdings: - 33521
Marginal farmers less than 1 ha land holdings: - 75914
Medium farmers 4-10 ha land holdings: - 2780
Total Numbers of Farmers:- 1,27,020

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 | Narendrapur | 2010 | Marshaghai | 30 km | 450 | 55 |
| Kendrapara | Barimula | 2011 | Derabis | 15 km | 420 | 80 |
| Kendrapara | Sanamangarajpur | 2010 | Kendrapara | 16 km | 288 | 48 |
| Kendrapara | Kantia | 2010 | Kendrapara | 15 km | 162 | 37 |
| Kendrapara | Janra Barimul | 2011 | Pattamundai | 28 km | 175 | 45 |
| Kendrapara | Alailo | 2010 | Mahakalpada | 45 km | 350 | 48 |

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, 8rudger 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 |
| Kendrapara | Maximization of crop production |
| Kendrapara | Development of suitable farming system models for different farming situation |

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 | Narendrapur, Marshaghai block |
| Kendrapara | Poor nutrient management practices in the field crops | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Barimula, Derabisblock |
| Kendrapara | Use of traditional varieties | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Sanamangarajpur, Kendrapara block |
| Kendrapara | Acute pest and disease infestation in different crops | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Kantia, Kendrapara block |
| Kendrapara | Poor soil and water quality | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Janra Barimul, Pattamundai block |
| Kendrapara | Non remunerative enterprise in practice | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Alailo, , Mahakalapara block |
| Kendrapara | Lack in proper utilization of available natural resources | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Kacheripara, Derabis block |
| Kendrapara | Non availability feed and fodder for ruminants | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Girisahi, Pattamundai |
| Kendrapara | Lack of value addition practices | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Junapangram, Rajnagar |
| Kendrapara | Poor production of pisciculture | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Santhapur, Kendrapara |
| Kendrapara | Poor food and livelihood security | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Alapua, Kendrapara |
| Kendrapara | Soil acidity leading to lower crop yield. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Chhoti, Kendrapara |
| Kendrapara | Application of imbalanced dose of major | PRA tools, Diagnostic field visit, group | Kanpura, Derabis |

| | | | |
|------------|---|---|---------------------------|
| | nutrients in almost all crops. | discussion, exploratory survey | |
| Kendrapara | Water logging | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Kasotibali, Marshaghai |
| Kendrapara | Lack of scientific knowledge on agro based entrepreneurships. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Nilakanthapur, Kendrapara |
| Kendrapara | Unemployment of rural youth and school | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Baro, Kendrapara |
| Kendrapara | Lack of availability of agricultural labour, and farm machineries for timely farm operations. | PRA tools, Diagnostic field visit, group discussion, exploratory survey | Lakshminaryanpur, Derabis |

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 | Farming Situations | No. of trials | Results (q/ha) | | Net Returns (Rs./ha) | | Recommendations |
|-------------|------|---------|--|--|--|--------------------------------|-----------------|--------------------|---------------|----------------------|----------------------|----------------------|----------------------|---|
| | | | | | | | | | | FP (T ₁) | RP (T ₂) | FP (T ₁) | RP (T ₂) | |
| Kendr apara | 2013 | Kharif, | Low yield of paddy in up land situation due to heavy weed infestation and high labour cost | Assessment of Bispyribac sodium in direct seeded paddy | Assessment | Integrated weed management | Rice | Rainfed | 13 | 34.5 | 43.7 | 15850 | 25810 | Use of herbicide Bispyribac sodium is recommended |
| Kendr apara | 2013 | Kharif | Low yield | Assessment of Integrated nutrient management in Jute | Assessment | Integrated nutrient management | Jute | Rainfed | 13 | 25.2 | 31.9 | 20840 | 30230 | INM in jute is recommended |
| Kendr apara | 2013 | Kharif | Low yield due to moisture stress under long dry spell | Assessment of Sahabhagi Dhan in rainfed upland situation | Assessment | Varietal substitution | Rice | Rainfed upland | 13 | 29.7 | 40.1 | 12610 | 25350 | Sahabhagi Dhan in rainfed upland situation is recommended |

| 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) | FP (T ₁) | RP (T ₂) | |
| Kendr apara | 2013- 14 | Rabi | Low yield and high labour cost due to weed infestation | Assessment of Integrated weed management in Groundnut | Assessment | Integrated weed management | groundnut | Irrigated | 13 | Standing crop | - | - | - | - |
| Kendr apara | 2013 | Kharif | False smut infection in paddy | Assessment of IDM for false smut of Paddy | Assessment | Integrated disease management | Rice | Rainfed | 13 | 39.65 | 47.88 | 17,154 | 28,596 | Seed treatment with carboxin 37.5% + Thiram 37.5% @ 2g/kg of seeds and foliar spraying of Propiconazole 25% EC @ 1ml /lt of water at PI stage |
| Kendr apara | 2013 | Kharif | Dead heart, chaffy grain | Assessment of Fipronil 5% SC for management of stem borer in paddy | Assessment | Integrated pest management | Rice | Irrigated medium land | 13 | 37.92 | 47.46 | 13,174 | 27,183 | Spraying of Fipronil 5% SC is recommended |
| Kendr apara | 2013- 14 | Rabi | Pre and post emergence death of groundnut seedlings. | Assessment of Bio control agent for management of seedling blight of groundnut | Assessment | Integrated disease management | groundnut | Irrigated | 13 | continue | - | - | - | - |
| Kendr apara | 2013- 14 | Rabi | Yellowing of leaves and reduction in pod nos and | Assessment of IPM for YMV in greengram | Assessment | Integrated pest management | greengram | Irrigated | 13 | continue | - | - | - | - |

| 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) | FP (T ₁) | RP (T ₂) | |
| | | | size | | | | | | | | | | | |
| Kendr apara | 2013 | Kharif | Unutilized fish pond embankment | Assessment of Pond based Horticulture farming system | Assessment | Integrated farming system | Banana, papaya, brinjal, tomato | Irrigated | 3 units | -- | TCB-50 bunches Papaya-7qtl. Brinjal-40qtl. Tomato-45qtl. | 27800 | 10000 | Pond based Horticulture farming system |
| Kendr apara | 2013-14 | Rabi | Low yield and small size of bulb | Assessment of improved variety of Onion cv. Agri found light red | Assessment | Varietal substitution | Onion | Rainfed | 13 | 120 | 180 | 137000 | 185000 | Improved variety of Onion cv. Agri found light red |
| Kendr apara | 2013 | Kharif | Low yield and poor fruit size due to imbalanced 13rudgery13r application | Assessment of integrated nutrient management in Brinjal with RDF and application of micronutrient | Assessment | Integrated nutrient management | Brinjal | irrigated | 13 | 265 | 350 | 72000 | 103000 | Integrated nutrient management in Brinjal with RDF and application of micronutrient |
| Kendr apara | 2013-14 | Rabi | Poor keeping quality | Assessment of improved variety Marigold | Assessment | Varietal substitution | Marigold | Rainfed | 13 | 80 | 122 | 13000 | 29000 | Pusa Narangi |
| Kendr apara | 2013 | Kharif | Improper use of floating feed | Assessment of FCR of floating feed | Assessment | Fish production | Fishery | Rainfed | 6 | 25.5 | 44.5 | 90000 | 223000 | Use of floating feed for better production |
| Kendr apara | 2013 | Kharif | Low stocking density | Assessment of multiple stocking and multiple | Assessment | Fish Production technology | Fish | Rainfed | 6 | 27 | 50 | 1,04,000 | 24,000 | Higher stocking density and multiple |

| 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) | FP (T ₁) | RP (T ₂) | |
| | | | | harvesting | | | | | | | | | | harvesting enhance the productivity |
| Kendr apara | 2013 | Kharif | Less income from only pisciculture | Assessment of colour bird cv: <i>Banaraja</i> in pond based farming system | Assessment | Integrated farming system | Fish | Rainfed | 8 | 27.5 | 35(fish)+1.5 (body wt. of colour bird) | 1,08,000 | 252000 | Colour bird in pond dyke enhance the fish production |
| Kendr apara | 2013 | Kharif | High mortality of fish due to EUS | Assessment of Epizootic Ulcerative disease syndrome (EUS) in IMC | Assessment | Fish production technology | Fish | Rainfed | 8 | 22 | 31 | 69000 | 156000 | CIFAX application checks EUS disease and increases the fish production |

2.2 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) |
| Kendr apara | Assessment of Bispyribac sodium in direct seeded paddy | No. of tiller/plant, EBT/m ² , test Wt WCE | 7 201 21.5 | 11 246 22.9 82.5 | 29000 | 31000 | - | 44850 | 56810 | - | 15850 | 25810 | - | 1.45 | 1.83 | |
| Kendr | Assessment | Plant height | 1.2 | 1.7 | 22000 | 24000 | - | 42840 | 54230 | - | 20840 | 20230 | - | 1.95 | 2.23 | |

| 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) |
| apara | of Integrated nutrient management in Jute | (mt). Basal girth diameter (cm) | 2.6 | 2.7 | | | | | | | | | | | | |
| Kendr apara | Assessment of Sahabhagi Dhan in rainfed upland situation | No. of tiller/ m ² , EBT/ m ² , test wt (g). | 5 207 22.3 | 12 239 23.4 | 26000 | 26000 | - | 38610 | 51350 | - | 12610 | 25350 | - | 1.49 | 1.98 | |
| Kendr apara | Assessment of Integrated weed management in Groundnut | Plant height No.of pods/plant Test wt. | continuing | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Kendr apara | Assessment of IDM for false smut of Paddy | Grain infection % per panicle | 8 | 2 | 26461 | 28860 | - | 43615 | 57456 | - | 17154 | 28596 | - | 1.64 | 1.99 | |
| Kendr apara | Assessment of Fipronil 5% SC for management of stem borer in paddy | Dead heart % White ear head% | 16 10 | 4 3 | 28538 | 29769 | - | 41712 | 56952 | - | 13174 | 27183 | - | 1.46 | 1.91 | |
| Kendr apara | Assessment of Bio control agent for management | Germination % Seed rot % Seedling blight% | continue | | | | | | | | | | | | | |

| 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) |
| | of seedling blight of groundnut | | | | | | | | | | | | | | | |
| Kendr apara | Assessment of IPM for YMV in greengram | % of YMV infested plant | Continue | | | | | | | | | | | | | |
| Kendr apara | Assessment of Pond based Horticulture farming system | Yield q/h | -- | -- | 8000 | 12000 | | 15000 | 39800 | | 7000 | 27800 | | 1.9 | 3.3 | |
| Kendr apara | Assessment of improve variety of Onion cv. Agri found light red | Yield q/h | 120 | 180 | 48000 | 62000 | | 175000 | 237000 | | 127000 | 175000 | | 2.6 | 2.9 | |
| Kendr apara | Assessment of integrated nutrient management in Brinjal with RDF and application of micronutrient | Yield q/h | 265 | 350 | 28000 | 52000 | | 100000 | 155000 | | 72000 | 103000 | | 1.9 | 2.9 | |
| Kendr apara | Assessment of improved variety Marigold cv. | Yield q/h | 80 | 122 | 43000 | 58000 | | 56000 | 87000 | | 13000 | 29000 | | 1.3 | 1.5 | |

| 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) |
| | Pusa Narangi | | | | | | | | | | | | | | | |
| Kendr apara | Assessment of FCR of floating feed | Type of feed like powder, pellet and floating | 1:3-groundnut: rice polish | Floating feed | 165000 | 222000 | - | 255000 | 445000 | | 90000 | 223000 - | - | 1.54 | 2.0 | - |
| Kendr apara | Assessment of multiple stocking and multiple harvesting | Fish size , harvest period | Stocking density 5000/ha | Stocking density-10000/ha | 166000 | 2,55,000 | - | 270000 | 500000 | - | 104000 | 245000 | - | 1.62 | 1.96 | |
| Kendr apara | Assessment of colour bird cv: <i>Banaraja</i> in pond based farming system | Fish size, bird size | 5000/ha | 5000/ha with colour bird | 1,67,000 | 2,97,000 | - | 275000 | 4,92,000 | - | 1,08,000 | 2,40,000 | - | 1.64 | 2.05 | - |
| Kendr apara | Assessment of Epizootic Ulcerative disease syndrome (EUS) in IMC | % fish infected, fish growth | 10% mortality that 4500 stock Decrease in production | 400 ml CIFAX / acre/meter 5000 no./ha increase in proction | 1,51,000 | 1,54,000 | - | 2,20,000 | 3,10,000 | - | 69,000 | 1,56,000 | - | 1.45 | 2.01 | - |

8.4 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 | 2013 | Kharif | Low profitability | Assessment of cross bred duck : KD | Assessment | Livestock production | Rearing of DK in backyard | Cross breed ducks resistant to diseases and high growth rate. | Backyard | 13 | Rearing of cross breed ducks (DK) for better return |
| Kendrapara | 2013-14 | Rabi | Maximum drudgery due to manual cleaning | Assessment of Paddy Grain cleaner for drudgery reduction | Assessment | Drudgery reduction | Easy cleaning of grains by sieving action | Cleaning and reduce drudgery | Rainfed | 13 | Use grain cleaner for paddy grain cleaning |
| Kendrapara | 2013-14 | Summer | Spoilage of vegetables | Assessment of low cost cool chamber for preservation of vegetables in Pond based farming system | Assessment | Nutritional security | Outdoor structure by using locally available materials like bamboo, bricks, sand, paddy straw and sack | Evaporative cooling | Pond based farming system | 13 | continuing |
| Kendrapara | 2013-14 | Kharif | Fuel and time scarcity | Assessment of Hay box cooker | Assessment | Energy conservation | Wooden box internally insulated by using straw | Hay box cooking can save fuel, time & avoid health hazards | - | 13 | |

3.1.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 (Rs.) | | Incremental income | | Yield(Kg/ha) | | Net Return | | Sav ing in Rs | BC rati o |
| | | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | T1 | T2 | | |
| kendra para | Assessment of productive cross bred ducks : KD | - | - | - | - | - | - | - | - | - | - | - | - | 50/ bird | 70/ bird | | | 700gm (in 3 months) | 1.2 kg | 27 | 62 | | 1.89 |
| | Assessment of Paddy Grain cleaner for drudgery reduction | 20kg/hour | 1.8 kg/hour | - | - | - | - | 89 | - | - | - | - | 80 | 40 | - | - | -- | - | - | - | - | Rs.40/q | - |
| | Assessment of low cost cool chamber for preservation of vegetables in Pond based farming system | Con tinu ing | | | | | | | | | | | | | | | | | | | | | |
| | Assessment of Hay box (Fireless cooker) | - | - | - | - | - | - | - | - | - | - | - | 24/ day | 6/day | *fuel saving - 471% Time saving efficiency- 500% | | | | | - | 18/day | | |

*

2.5 Feedback from KVK to Research System

| Name of KVK | Feedback |
|-------------|---|
| Kendrapara | Surveillance of aquatic animal needs further research |
| Kendrapara | Survivability of <i>magur</i> seeds of M-20 needs research regarding feed |
| Kendrapara | Feeding schedule of floating feed of early stage of IMC |
| Kendrapara | Recommendation for cultivation of different spices in coastal areas |
| Kendrapara | Resistance of different chemical insecticide against pest of paddy and vegetables |
| Kendrapara | Recommendation for control of wild rice |
| Kendrapara | Recommendation for control of YMV in greengram |

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 |
| kendrapara | Crop | Integrated nutrient management | Sowing of dhaincha seed @25Kg/ha and incorporating tender plants at six week stage through ploughing and puddling | Training, demonstration, group meeting, field visit etc. | 7 | 130 | 91 |
| kendrapara | Crop | Integrated crop management | Long slender grain,Medium duration(130 days) yield potential- 7 t/ha | Training and demonstration | 6 | 112 | 84 |
| kendrapara | Crop | Integrated weed management | Application of pre emergence chemical herbicide Oxadiargyl 80%WP @75gm/ha 3 DAT (days after transplanting) | Training and demonstration | 3 | 32 | 42 |
| kendrapara | Crop | Integrated nutrient management | Application of Gypsum @200kg and Borax@10kg/ha along with STBFR | Field day, training and TV coverage etc. | 4 | 105 | 56 |
| kendrapara | Crop | Integrated pest management | Installation of pheromonetrap @20nos/ha along with scripolure, release of Trichogramma Japonicum parastitoid @50,000/ha one month after transplanting 5 times at weekly interval, need based spraying of crop with Cartap hydrochloride @1gm/lit of water | Training, group meeting, demonstration | 6 | 135 | 42 |
| kendrapara | Crop | Integrated disease management | Drenching the basal part of the plant with Validamycin 2.5ml + Imidacloprid 0.2ml in 1 lit of water | Training, group meeting, demonstration | 12 | 182 | 65 |

| | | | | | | | |
|------------|------------|----------------------------------|--|--|----|-----|-----|
| kendrapara | Crop | Integrated disease management | Seed treatment with Carboxin 37.5% +thiram37.5% @0.2% & Streptocycline @0.01% for 15 mins followed by shade drying and spraying with Metalxy 18%+ Mancozeb 64% @0.2% twice at 10 days interval at 45 DAS | Training, meeting, demonstration | 15 | 202 | 58 |
| kendrapara | Crop | Integrated disease management | Foliar spraying the crop at tillering, boot leaf and grain formation stage with Isoprothilane 40% EC @1.5/lit of water along with sticker | Training, demonstration, group discussion, field visit | 10 | 150 | 200 |
| kendrapara | Crop | Varietal evaluation | Introduction of improved varieties of tomato cv. Utkal Raja, a wilt tolerant variety with average yield potential of 37.5 t/ha | Training, FLD | 20 | 240 | 150 |
| kendrapara | Crop | Integrated nutrient management | Application of 10-15 kg of FYM or compost per pit along with 375gm N, 100gm P and 300gm K per plant as per STBFR. Nis applied in 3 split doses at 2,4 & 6 months of planting | Training, FLD | 45 | 400 | 120 |
| kendrapara | Crop | Integrated crop management | Application of 3ml /15 litter water of ethrel twice, first at 2 leaf stage and second at 4 leaf stage | Training, FLD | 55 | 350 | 160 |
| kendrapara | Crop | Crop management oractice | Trellia system in Pointed gourd | Training, FLD | 30 | 250 | 60 |
| kendrapara | Enterprise | Evaluation of breed | Demonstration of Banaraja under semi intensive condition | Training and demonstration | 10 | 38 | 10 |
| kendrapara | Enterprise | Mushroom cultivation | Sterilization of straw, using of good quality spawn and hygienic method of bed preparation | Training and demonstration | 15 | 65 | 25 |
| kendrapara | Enterprise | Drudgery reduction | Use of power operated paddy thresher to save time, cost and labour | Training and demonstration | 15 | 425 | 22 |
| kendrapara | Crop | Resource conservation technology | Introduction of improved seeds for nutritional garden | Training and demonstration | 4 | 120 | - |

| | | | | | | | |
|------------|------|---------------------------|---|---------------------------------------|----|-----|----|
| | | | | | | | |
| kendrapara | Crop | Integrated farming system | Indian Major Carps with horticultural crops (banana, lemmon graft, mango poultry and duckery) | Training and demonstration | 10 | 200 | - |
| kendrapara | Crop | Production technology | Fish fry i.e. Catla, rahu and mrigal in small pond | Demonstration | 3 | 30 | - |
| kendrapara | Crop | Production technology | Stocking in captive nursery (Stoking in 20 decimal area for one acre pond) | Training, field visit & demonstration | 1 | 1 | .4 |
| kendrapara | Crop | Bio-logical control | Cultivation of grass carp in farmer pond to control weed | | 2 | 35 | - |

Note-

* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mgt. 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/Entreprizes | Crop- Area (ha) / Entrep - No. | Results (q/ha) | | | No. of farmers | | | | |
|------------|------|--------|----------------------------|---|-------------------------|--|--------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | % change | SC | ST | Others | General | Total |
| Kendrapara | 2013 | Kharif | Integrated weed management | Use of post emergence weedicide fenoxaprop ethyl @75g a.i/ha at 20 DAE + manual weeding at 35 DAS effectively control weeds | Jute | Naveen | 1 | 25.8 | 31.7 | 22.87 | - | - | - | 5 | 5 |
| Kendrapara | 2013 | Kharif | Integrated crop management | HYV paddy Manaswini is medium duration and suitable for medium land situation | Rice | Manaswini | 1 | 40.2 | 50.3 | 25.12 | 1 | - | - | 4 | 5 |

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Enterprise - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|------------|---------|--------|--------------------------------|--|--------------------------|--|------------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| Kendrapara | 2013 | kharif | Integrated nutrient management | Rice | Rice | Swarna | 1 | 40.7 | 48.2 | 18.42 | - | - | - | 5 | 5 |
| Kendrapara | 2013 | kharif | Integrated weed management | Application of pre emergence chemical herbicide Oxadiargyl 80% WP @75gm/ha 3 DAT (days after transplanting) | Rice | Pratikshya | 1 | 39.8 | 50.6 | 27.1 | - | 1 | - | 4 | 5 |
| Kendrapara | 2013 | kharif | Integrated pest management | Installation of pheromonetrap @20nos/ha along with scripulture, release of <i>Trichogramma Japonicum</i> parasitoid @40,000/ha one month after transplanting 5 times at weekly interval, need based spraying of crop with Cartap hydrochloride @1gm/lit of water | Rice | Swarna | 1.0 | 37.9 | 47.3 | 24.80 | - | - | - | 5 | 5 |
| Kendrapara | 2013 | kharif | Mushroom cultivation | Soaking of straw in 2% calcium carbonate powder before preparation of mushroom bed | Mushroom | Volvariella volvacea | 10 nos. | 1.0 kg/bed | 2.0 kg/bed | 100 | 1 | - | 5 | 4 | 10 |
| Kendrapara | 2013-14 | Rabi | Integrated disease management | Seed treatment with Carboxin 37.5% +thiram37.5% @0.2% & Streptocycline @0.01% for 15 mins followed by shade drying and spraying with Metalxyl 8%+ Mancozeb 64% @0.2% twice at 10 days interval at 45 DAS | Potato | Kufri chandramukhi | 1.0 | 231.20 | 269.0 | 20.84 | - | - | 5 | - | 5 |

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Enterprise - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|------------|---------|--------|--------------------------------|--|--------------------------|--|------------------------------------|----------------------|----------------------|----------|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| Kendrapara | 2013-14 | summer | Integrated disease management | Seed treatment with Tricyclazole @2g/kg of seed. Foliar spraying of crop at tillering, boot leaf and grain formation stage with Isoprothilane 40% EC @1.5ml /lit of water along with sticker | rice | Lalat | 1.0 | continue | | | - | - | 5 | 5 | |
| Kendrapara | 2013 | kharif | Cultivation of cash crop | Tissue culture banana cv. Bantala diseased free , true to type and uniform yield | banana | bantal | 1 | 317 | 383 | 21 | - | - | 5 | 5 | |
| Kendrapara | 2013-14 | Rabi | Integrated nutrient management | Spraying of nitrobenzene in Okra @ 1 to 1.5 gm mix with 1 lit. of water twice after 5 to 15 days of sowing and second application after 20-30 days of 1 st spraying | okra | Abantika | 1 | 133 | 162 | 20 | - | | 5 | 5 | |
| Kendrapara | 2013 | Kharif | Integrated nutrient management | Spraying micronutrient @2ml/lit before flowering in balanced form as Amino acid chelates stimulates physiological function like sprouting, flowering,pollination & fruiting | Tomato | Chiranjeevi | 1 | 298 | 334 | 0.1 | - | - | 5 | 5 | |
| Kendrapara | 2013 | Rabi | Integrated nutrient management | Application of Triacntanol @10mg/lit of water at 3-4 times weekly interval | watermelon | Blackmagic | 1 | Continuing | | | - | - | 5 | 5 | |

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/Enterprise | Name of Variety/Technology/Enterprises | Crop- Area (ha) / Enterprise - No. | Results (q/ha) | | % change | No. of farmers | | | | |
|------------|------|--------|---------------------------|--|-------------------------|---|------------------------------------|----------------------|---|--|----------------|----|--------|---------|-------|
| | | | | | | | | FP (T ₁) | RP (T ₂) | | SC | ST | Others | General | Total |
| Kendrapara | 2013 | kharif | Production technology | Rearing and maintenance of stocking density of fresh water prawn along with Catla, Silver carp & Rohu in poly culture system | fish | <i>Macrobrachium Rosenbergii</i> | 1 | Fish- 25 | Fish-20 Prawn-5 | 20 decrease in fish production but 5qtl increase in prawn production | 2 | - | - | 4 | 6 |
| Kendrapara | 2013 | kharif | Production technology | Rearing Fish fingerling i.e. Catla, rohu and mrigal in small pond | fish | Catla, rohu and mrigal | 1 | 70,000 nos | 90,000 nos | 20 | 1 | - | - | 7 | 8 |
| Kendrapara | 2013 | kharif | Integrated farming system | Indian Major Carps with horticultural crops (banana, lemon, mango, poultry and duckery) | fish | Indian major carp, poultry bird, horticultural crop | 1 | Only 25 qtl fish | 25 qtl + papaya, banana, abanaraja, duckery | 82 | - | - | - | 8 | 8 |
| Kendrapara | 2013 | kharif | Biological control | Cultivation of grass carp in farmer pond to control weed | fish | Grass carp | 1 | 21.5 – fish | 32- fish | 55 | 3 | - | - | 3 | 6 |

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 | Use of post emergence weedicide fenoxaprop ethyl @75g a.i/ha at 20 DAE + manual weeding at 35 DAS effectively control weeds | Jute | Plant height, basal diameter, yield | 1.6 m | 1.2 m | 24000 | 25000 | 19800 | 28890 | 43800 | 53890 | 1.83 | 2.16 |
| Kendrapara | HYV paddy Manaswini is medium duration and suitable for medium land situation | Rice | No. of tiller/m ² , EBT/M ² , Test wt. | 8 209 | 14 248 | 32000 | 32000 | 20260 | 33390 | 52260 | 65390 | 1.63 | 2.04 |
| Kendrapara | Sowing of dhaincha seed @25Kg/ha and incorporating at six week stage(1 ton dhaincha DM adds 26.2 kg N/ha) | Rice | No. of tiller/plant, EBT/M ² , Test wt. | 7 198 | 13 239 | 33000 | 32000 | 19910 | 30660 | 52910 | 62660 | 1.6 | 1.96 |
| Kendrapara | Application of pre emergence chemical herbicide Oxadiargyl 80% WP @75gm/ha 3 DAT (days after transplanting) | Rice | No. of tiller/plant, EBT/M ² , Test Wt. | 11 4 197 | 15 242 | 28000 | 32000 | 23740 | 33780 | 51740 | 65780 | 1.85 | 2.05 |
| Kendrapara | Installation of pheromonetrap @20nos/ha along with scripolure, release of <i>Trichogramma Japonicum</i> parasitoid @40,000/ha one month after transplanting 5 times at weekly interval, need based spraying of crop with Cartap hydrochloride @ 1gm/lit of water | Rice | Dead heart % White ear head % | 15 13 | 5 4 | 28,200 | 29,300 | 41,690 | 52030 | 13,490 | 22,730 | 1.47 | 1.77 |

| 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 | Soaking of straw in 2% calcium carbonate powder before preparation of mushroom bed | Mushroom | Days taken for emergence of pin head No. of fruiting body Weight of fruiting body | 9 100 20 | 11 60 16.66 | 40/- per bed | 55/- per bed | 100/- per bed | 200/- per bed | 60/- per bed | 155/- per bed | 2.50 | 3.60 |
| Kendrapara | Seed treatment with Carboxin 37.5% +thiram37.5% @0.2% & Streptocycline @0.01% for 15 mins followed by shade drying and spraying with Metalxyl 8%+ Mancozeb 64% @0.2% twice at 10 days interval at 45 DAS | Potato | Blighted leaves % Rotted tuber % | 16 10 | 4 3 | 62,200/- | 65,00 | 1,61,840 | 1,88,300 | 99,840 | 1,23,300 | 2.61 | 2.89 |
| Kendrapara | Seed treatment with Tricyclazole @2g/kg of seed. Foliar spraying of crop at tillering, boot leaf and grain formation stage with Isoprothilane 40% EC @1.5ml /lit of water along with sticker | Rice | Infected % | continue | | | | | | | | | |
| Kendrapara | Tissue culture banana cv. Bantala diseased free , true to type and uniform yield | Banana | Yield q/h | 317 | 383 | 112000 | 134000 | 312000 | 399000 | 200000 | 265000 | 2.7 | 2.9 |

| 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 | Spraying of nitrobenzene @ 1 to 1.5 gm mix with 1 lit. of water twice after 5 to 15 days of sowing and second application after 20-30 days of 1 st spraying | Okra | Yield q/h | 133 | 162 | 49800 | 62200 | 108800 | 137000 | 59000 | 74800 | 2.1 | 2.2 |
| Kendrapara | Spraying micronutrient @2ml/lit before flowering in balanced form as Amino acid chelates stimulates physiological function like sprouting, flowering, pollination & fruiting | Tomato | Yield q/h | 298 | 334 | 48300 | 51700 | 112200 | 138000 | 69900 | 86300 | 2.3 | 2.6 |
| Kendrapara | Application of Triacontanol @10mg/lit of water at 3-4 times weekly interval | Watermelon | Yield q/h | Continuing | | | | | | | | | |
| Kendrapara | Rearing and maintenance of stocking density of fresh water prawn along with Catla, Silver carp & Rohu in poly culture system | fish | Fish size, prawn size in gm | 25 qtl | 20 qtl-fish 5 qtl-prawn | 160000 | 170000 | 250000 | 3,50,000 | 90,000 | 1,80,000/- | 1.56 | 2.06 |
| Kendrapara | Rearing Fish fingerling i.e. Catla, rohu and mrigal in small pond | fish | 70% recovery of IMC/ 90 % recovery of IMC | 70,000 | 90,000 | 27,000 | 30000 | 49750 | 65250 | 22750 | 35,250 | 1.85 | 2.16 |
| Kendrapara | Indian Major Carps with horticultural crops (banana, Papaya, poultry and duckery) | fish | Only fish/fish with other commodity | 24 qtl | 25 qtl + others | 140000 | 320000 | 240000 | 455000 | 100000 | 135000 | 1.58 | 1.78 |

| 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 | Cultivation of grass carp in farmer pond to control weed | fish | Only IMC/IMC with grass carp | 21.5 qtl | 32 qtl | 1,30,000 | 135000 | 215000 | 320000 | 85,000 | 1,35,000 | 1.6 | 2.3 |

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 | 2013-14 | Rabi | Bee keeping | Low family income | Rearing of <i>Apis cerana indica</i> | enterprise | <i>Apis cerana indica</i> | - | - | 5 |
| Kendrapara | 2013-14 | Rabi | Mushroom cultivation | Low yield of oyster 30rudgery | Sterilization of straw, using of good spawn cv: <i>p. eryngii</i> and hygienic method of bed preparation | enterprise | Oyster mushroom cv: <i>p. eryngii</i> | | | 10 |
| Kendrapara | 2013 | kharif | Nutritional management | Low yield of milk due to no use of mineral mixtures in feed | Use of vitamin mineral mixture @50gm/day per cow | enterprise | Vitamin mineral mixture | - | - | 5 |
| Kendrapara | 2013 | kharif | Evaluation of breed | Low income and low egg production due to rearing of local bird | Rearing of cv: Red 30rudger under semi intensive condition | enterprise | Red cornish | - | - | 10 |

3.5 Economic Performance Home Science FLDs:

| KVK name | Technology to be Demonstrated | Performance Indicator / Parameter | | | | | | | | | | | | | | | | | | | | | |
|------------|--|-----------------------------------|----|---------------------------------|----|--------------|----|-------------------------|----|--------------------------|----|---------------------|----|---------------|-----|--------------------|----|------------------|---------------------|------------|-----|---------------|------------|
| | | Output m2/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 | Rearing of <i>Apis cerana indica</i> | continue | | | | | | | | | | | | | | | | | | | | | |
| Kendrapara | Sterilization of straw, using of good spawn cv: <i>p. eryngii</i> and hygienic method of bed preparation | - | - | - | - | - | - | - | - | - | - | - | - | 30 | 30 | | | 1.8 | 2.4 | 42 | 66 | | 2.2 |
| Kendrapara | Use of vitamin mineral mixture @50gm/day per cow | | | | | | | | | | | | | 75 | 787 | - | - | 8 lit/day | 9.2 lit/day | 104 | 128 | | 2.3 2.6 |
| Kendrapara | Rearing of cv: Red Cornis in semi intensive condition | - | - | - | - | - | - | - | - | - | - | - | - | 72 | 144 | | | 1kg 12nos.egg | 2.9 kg 25nos.egg | 100 | 296 | | 3.0 |

3.6 Training and Extension activities proposed under FLD

| KVK Name | Crop | Activity | No. of activities organized | Number of participants | Remarks |
|------------|------------------------|-----------|-----------------------------|------------------------|--------------------|
| Kendrapara | Paddy,Poultry,Mushroom | Field day | 8 | 400 | Conducted Fieldday |

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 |
| Kendrapara | Management of Yellow stem borer in Paddy | IPM | Reduced the pest population by using Pheromone trap and bio agent | Use of Bio pesticide |
| Kendrapara | Management of blast disease in Paddy | IDM | Reduce the disease incidence by using fungicides | Use of bio-fungicides |
| Kendrapara | Tissue Culture Banana | TCB | Uniform yield and Disease free | Use of TCB in scientific method |
| Kendrapara | Mushroom Cultivation | Pasteurization of substrates | Higher yield | Mushroom Cultivation for higher return |
| Kendrapara | Pond based farming system | IFS | Multiple return | IFS |

4.2. Feedback from KVK to Research System.

| Name of KVK | Feedback basic of OFT on Technology Tested |
|-------------|--|
| Kendrapara | Further study is required to evaluate the resistance of fungicides against the diseases of Paddy |
| Kendrapara | The variety suitable for costal agro cliamatic system should be studied |

8. 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 |
|-------------|--------------------------|---|--|------------------------------|
| Kendrapara | Farmers & farm women | Field visit, discussion and group meeting- Seeing the performance & interest of farmers for Integrated Nutrient Management in Jute | 24.04.2013, Nilakanthapur | 25 |
| Kendrapara | Farmers & farm women | Group contact & field visit, meeting – Using PRA tools and techniques it was found that farmers Integrated Weed management in jute | 24.05.2013, Janra Barimula | 25 |
| Kendrapara | Farmers & farm women | Group contact & field visit- Using PRA tools and techniques it was found that farmers are use Liming of Acid soil for higher productivity | 25.05.2013, Napanga | 25 |
| Kendrapara | Farmers & farm women | Group contact & field visit meeting – Using PRA tools and techniques it was found that farmers Integrated weed management in paddy | 18.06.2013, Osangara | 25 |
| Kendrapara | Farmers & farm women | Group contact & field visit meeting – Using PRA tools and techniques it was found that farmers Use of bio-fertilizer in paddy | 14.08.2013, Ender | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Seeing the interest of farmers Integrated Farming system for livelihood security | 16.08.13 & 17.08.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Seeing the interest of farmers Inter cropping for higher sustainability and yield | 17.09.2013 & 18.09.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Using PRA tools and techniques it was found that farmers Use of Biofertiliser in Pulses (greengram,blackgram) | 22.10.2013, Nuapatana | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Seeing the interest of farmers Gypsum application in oilseed crops (ground nut, mustard) | 19.11.2013, Raghunathpur | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Seeing the interest of farmers SRI method of rice cultivation to mitigate climate change | 23.12.2013, Napanga | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Seeing the interest of farmers need for training on Integrated weed management in groundnut | 25.01.2014, Damodarpatna | 25 |
| Kendrapara | Farmers & farm women | Group discussion and mass contact- Seeing the interest of farmers Integrated nutrient management in hybrid rice | 14.02.2014, Oupada | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Due to low yield of paddy straw mushroom in summer season, farmers demand for training on care and management of paddy straw mushroom | 29.05.2013, Juna Pangara, Rajnagar | 25 |

| | | | | |
|------------|----------------------|--|--------------------------------------|----|
| Kendrapara | Farmers & farm women | Group discussion, Farmers meeting, field visit. Due to indiscriminate use of pesticide there is need of training on safe and judicious use of pesticide. | 18.06.2013, Kanarpur, Derabis | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, PRA survey due to seed borne diseases of paddy there is low yield of paddy so farmers demand training on seed borne disease of paddy and their management. | 21.06.2013, Chatarsasan | 25 |
| Kendrapara | Farmers & farm women | Group discussion, Farmers meeting, field visit. Due to heavy infestation of pest in paddy, there is need of training on IPM in kharif paddy. | 12.07.2013, Kalamada | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, farmers demand for training on integrated disease management in kharif paddy | 23.07.2013, Kalamada sasan | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, farmers demand for training on disease management in jute | 12.08.2013, Kasotibali, Marshaghai | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on pests of brinjal and their management | 20.09.2013, Baro | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, farmers demand for training on disease management in banana | 25.09.2013, Raghunathpur | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on pest management on coconut. | 19.10.2013, Janara Barimula | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on disease management of cole crops. | 26.10.2013, Pectchilla, Mahakalapara | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on IDM in sunflower | 11.11.2013, Napanga | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on IDM in potato | 7.01.2014, Chattar, Mahakalapara | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on nutrient management in kharif vegetables | 8.05.2013, Janara Barimula | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on nursery raising techniques for cultivation of kharif tomato | 12.06.2013, Kamaladasana | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit & Exploratory survey need for training on management of off young orchards | 22.07.2013, Nilakanthapur | 25 |
| Kendrapara | Farmers & farm women | Using the PRA tools it is found that there is training on pond based farming system | 29.07.2013, Ender | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on Propagation technique of ornamental plants | 29.08.2013, Raghunathpur | 25 |

| | | | | |
|------------|----------------------|---|-------------------------------------|----|
| Kendrapara | Farmers & farm women | Using the PRA tools it is found that there is demand for Integrated nutrient management for off season cultivation of cole crops | 31.08.2013, Baro | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit- Using the PRA tools it is found that there is demand Fertilizer management in TCB banana plantations | 25.09.2013, Kantia | 25 |
| Kendrapara | Farmers & farm women | Using the PRA tools it is found that there is demand for integrated nutrient management in brinjal | 30.09.2013, Gahaga | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on Cultivation of high value and low volume crop like broccoli, red cabbage and capsicum. | 22.10.13, Ittakhandia | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, Using the PRA tools it is found that there is demand for Cultivation and fertilizer management in rabi onion | 31.12.2013, Sanamangarajpur | 25 |
| Kendrapara | Farmers & farm women | Poor awareness and knowledge there is training on locally available medicinal and aromatic plants | 02.01.2014, Baro | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit- need training on Post harvest management of potato | 18.02.2014, Kalamada | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Preparation of fish pond & pre stocking management in pisciculture tanks | 29.04.2013, Nilakanthapur | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, Using the PRA tools it is found that there is demand for Liming manuring fertilization and supplementary feeding in pisciculture tanks | 30.05.2013, Napanga | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Seed production in portable FRP carp hatchery | 27.06.2013, 28.06.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Seed production in portable FRP carp hatchery | 20.07.2013 & 23.07.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Fry fingerling rearing | 30.08.2013, Osangara | 25 |
| Kendrapara | Farmers & farm women | Diagnostic field visit, group discussion, Need for training on Magur culture in small shallow tanks | 27.09.2013, Janara Barimula | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Supplimentary feeding in pisciculture tank | 29.09.2013, 30.09.2013, KVK Campus | 25 |

| | | | | |
|------------|----------------------|---|--|----|
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Composite fish culture in village community tank | 10.10.2013, Napanga | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Floating fish feed management in pisciculture tanks | 27.11.2013 & 28.11.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Integrated farming system | 26.12.2013 & 27.12.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need training on Prophylaxis and fish disease control in pisciculture tanks | 20.01.2014 & 21.01.2014, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit Seeing the performance & interest of farmers for Multiple stocking and multiple harvesting method of pisciculture | 24.02.2014, Pattamundai | 25 |
| Kendrapara | Farmers & farm women | Group discussion with the line departments diagnostic field visit need for training on Value addition of locally available summer season fruit and vegetable | 31.05.13, KVK Camous | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Farm women were interested to training on mushroom cultivation | 3.06.2013, Sandhapali, Pattamundai block | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Farm women were interested to training on Short term storage practices of perishable vegetable | 08.07.2013, Girisahi, Pattamundai block | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Farm women were interested training on Backyard rearing of duck for income generation | 9.07. 2013, Juna pangram, Rajnagar | 25 |
| Kendrapara | Farmers & farm women | PRA survey and group discussion- Farm women were interested to take training on Bee keeping for additional income of women SHG | 20.08.13, KVK, Kendrapara | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Farm women were interested to training on 36 rudgery reduction implements for farm women | 17.09.13 & 18.09.13, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion- farm women were interested to training on Fodder for sustainable livestock | 17.10.13 , Santhapura, Kendrapara | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Farm women were interested training on Post harvest storage of mushroom | 11.11.2013 & 12. 11.2013, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion- Farm women were interested training on Cut flower cultivation for bouquet making | 12.12.2013 & 13.12.13, KVK Campus | 25 |
| Kendrapara | Farmers & farm women | Group discussion, Training- Farm women were interested to prepare Processing of spices | 7.01.2014 & 08.01.2014, KVK Campus | 25 |

| | | | | |
|------------|----------------------|--|--------------------------------------|----|
| Kendrapara | Farmers & farm women | Group discussion- farm women were interested to take training on Management of poultry bird in winter | 10.02.2014,Alapua, Kendrapara | 25 |
| Kendrapara | Farmers & farm women | Group discussion, Training- Farm women were interested training on Fish processing technology | 13.02.14 & 14.02.2014, KVK Campus | 25 |
| Kendrapara | RY | Group discussion- Rural youth came forward to Vermicompost production for self employment | 11.11.2013 to 13.11.2013, KVK Campus | 15 |
| Kendrapara | RY | Group discussion- Rural youth came forward to Certified Seed production for self employment | 28.01.14 to 30.01.2014, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Self employment through Paddy straw mushroom cultivation | 16.09.13 to 17.09.2013, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Self employment through oyster mushroom cultivation | 19.11.13 to 20.11.2013, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Horticulture landscape for income generation | 3.01.2014 to 4.01.2014, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Round the year production of marigold for income generation | 19.02.2014 to 20.02.2014, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Fish seed production in FRP hatchery | 26.08. 2013 & 28.08.2013, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Integrated farming system | 22.10.2013 & 23.10.2013, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Small scale income generating enterprises for rural youths | 15.11.13, 16.11.13, KVK, Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Vermi-compost a mean to strengthen livelihood of SHG groups | 17.02.2014 & 18.02.2014, KVK Campus | 15 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Fodder cultivation for big and small ruminants | 04.05.2013, Palliraghunathpur | 25 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on In-situ moisture conservation technologies for better land and water management | 08.05.2013, Chhoti | 25 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Rural Entrepreneurships development through Income generating activities | 28.06.2013, Nachmipada | 25 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Integrated farming system for sustainable livelihoods | 29.10.2013 & 30.10.2013, KVK Campus | 25 |

| | | | | |
|------------|----|---|-------------------------------------|----|
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Conservation and Management of Natural Resources | 20.11.2013 & 21.11.2013, KVK Campus | 25 |
| Kendrapara | RY | Diagnostic field visit, group discussion, Need for training on Agro-forestry model and its importance on livelihood | 27.12.2013 & 28.12.2013, KVK Campus | 25 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Organic farming for sustainable Agriculture | 18.02.2014, KVK Campus | 15 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Botanicals and bio-agent used for control of pests of paddy | 28.03.14, KVK Campus | 10 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Orchard management and rejuvenation of old and declining orchard | 24.03.2014, KVK Campus | 10 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Cage and pen culture in reservoirs | 18.02.2014 & 19.02.2014 | 10 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Mid day meal scheme and its nutritional impact on health of primary classes (6 to 11 years) | 23.10.13 & 24.10.13, KVK Campus | 10 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Empowerment and livelihood skill education for adolescent girls | 6.12.13 & 7.12.13, KVK Campus | 10 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on SHG, FIG, CIG and WIG formation and management | 20.08.2013, 21.08.2013, KVK Campus | 25 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on Formation of farmers club and federation | 27.09.2013 & 28.09.2013 | 25 |
| Kendrapara | IS | Diagnostic field visit, group discussion, Need for training on New Dimension of Extension Approach and Technology Transfer to Farmers field | 23.10.2013 & 24.10.2013, KVK Campus | 25 |

Abbreviation Used

| | |
|------------------------------------|---|
| FW | (A) Farmers & Farm Women |
| RY | (B) Rural Youths |
| IS | I 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 | 15 | 16 |
| Kendrapara | FW | ONC | CRP | Integrated Farming system for livelihood security | 1 | 02 | 20 | 1 | 4 | - | - | - | - | - |
| Kendrapara | FW | ONC | CRP | Inter cropping for higher yield and sustainability | 1 | 02 | 18 | 2 | 2 | 2 | - | - | 1 | - |
| Kendrapara | FW | ONC | PLP | Propagation technique of ornamental plants | 1 | 01 | 24 | - | 1 | - | - | - | - | - |
| Kendrapara | FW | ONC | FIS | Seed production in portable FRP carp hatchery | 02 | 04 | 23 | 1 | - | 1 | - | - | - | - |
| Kendrapara | FW | ONC | FIS | Supplimentary feeding in pisciculture tank | 1 | 02 | 18 | 2 | 3 | 2 | - | - | - | - |
| Kendrapara | FW | ONC | FIS | Floating fish feed management in pisciculture tanks | 1 | 02 | 21 | - | 4 | - | - | - | - | - |
| Kendrapara | FW | ONC | FIS | Integrated farming system | 1 | 02 | 23 | 2 | - | - | - | - | - | - |
| Kendrapara | FW | ONC | FIS | Prophylaxis and fish disease control in pisciculture tanks | 1 | 02 | 19 | 3 | - | 2 | - | - | 1 | - |
| Kendrapara | FW | ONC | WOE | Value addition of locally available summer season fruit and vegetable | 1 | 02 | - | 23 | - | 2 | - | - | - | - |

| 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 | 15 | 16 |
| Kendrapara | FW | ONC | WOE | Bee keeping for additional income of women SHG | 1 | 02 | - | 22 | - | 3 | - | - | - | - |
| Kendrapara | FW | ONC | WOE | Use of drudgery removing implements for farm women | 1 | 02 | - | 20 | - | 4 | - | 1 | - | - |
| Kendrapara | FW | ONC | WOE | Post harvest storage of mushroom | 1 | 02 | - | 22 | - | 3 | - | - | - | - |
| Kendrapara | FW | ONC | WOE | Cut flower cultivation for bouquet making | 1 | 02 | - | 24 | - | 1 | - | - | - | - |
| Kendrapara | FW | ONC | WOE | Processing of spices | 1 | 02 | - | 24 | | 1 | | | | |
| Kendrapara | FW | ONC | WOE | Fish processing technology | 1 | 02 | - | 24 | - | - | - | - | - | 1 |
| Kendrapara | FW | OFC | CRP | Integrated Nutrient Management in Jute | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | CRP | Integrated Weed management in jute | 1 | 01 | 23 | 1 | - | - | - | - | 1 | - |
| Kendrapara | FW | OFC | CRP | Liming of Acid soil for higher productivity | 1 | 01 | 20 | 2 | 1 | 2 | | - | - | - |
| Kendrapara | FW | OFC | CRP | Integrated weed management in paddy | 1 | 01 | 18 | 4 | 2 | 1 | - | - | | - |
| Kendrapara | FW | OFC | CRP | Use of bio-fertilizer in paddy | 1 | 01 | 20 | 2 | - | 2 | | - | 1 | - |
| Kendrapara | FW | OFC | CRP | Use of Biofertiliser in Pulses (greengram,blackgram) | 1 | 01 | 23 | 1 | 1 | - | - | - | - | - |
| Kendrapara | FW | OFC | CRP | Gypsum application in oilseed crops (ground nut, mustard) | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | CRP | SRI method of rice cultivation to mitigate climate change | 1 | 01 | 22 | 2 | 1 | - | | - | - | - |

| 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 | 15 | 16 |
| Kendrapara | FW | OFC | CRP | Integrated weed management in groundnut | 1 | 01 | 24 | - | 1 | - | - | - | | - |
| Kendrapara | FW | OFC | CRP | Integrated nutrient management in hybrid rice | 1 | 01 | 17 | 2 | 4 | 2 | | - | | |
| Kendrapara | FW | OFC | PLP | Care and management of paddy straw mushroom in summer season | 1 | 01 | 20 | 2 | 2 | 1 | | - | | - |
| Kendrapara | FW | OFC | PLP | Safe and judicious use of pesticide | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | PLP | Seed borne diseases of paddy and their management | 1 | 01 | 19 | 2 | 4 | - | - | - | - | - |
| Kendrapara | FW | OFC | PLP | Integrated pest management in Kharif paddy | 1 | 01 | 22 | 1 | 2 | - | | - | | - |
| Kendrapara | FW | OFC | PLP | Integrated disease management in Kharif paddy | 1 | 01 | 22 | - | 3 | - | - | - | - | - |
| Kendrapara | FW | OFC | PLP | Integrated disease management in jute | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | PLP | Disease management in banana | 1 | 01 | 23 | 2 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | PLP | Pests of Brinjal and their management. | 1 | 01 | 20 | 2 | 2 | - | | - | 1 | - |
| Kendrapara | FW | OFC | PLP | pest management in coconut | 1 | 01 | 23 | 1 | - | - | 1 | - | | - |
| Kendrapara | FW | OFC | PLP | Disease management of cole crops | 1 | 01 | 20 | 2 | 1 | 2 | - | | - | - |

| 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 | 15 | 16 |
| Kendrapara | FW | OFC | PLP | Integrated disease management in sunflower | 1 | 01 | 24 | - | 1 | - | - | - | - | - |
| Kendrapara | FW | OFC | PLP | Integrated disease management of potato | 1 | 01 | 21 | 2 | 2 | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Nutrient management in kharif vegetables | 1 | 01 | 23 | 2 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Nursery raising techniques for cultivation of Kharif tomato | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOF | Management of young plants/orchards | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Pond based farming system | 1 | 01 | 22 | 3 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Propagation technique of ornamental plants | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOF | Integrated nutrient management for off season cultivation of cole crops | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Fertilizer management in TCB banana plantations | 1 | 01 | 20 | 5 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Integrated nutrient management in brinjal | 1 | 01 | 22 | - | 2 | - | 1 | - | - | - |
| Kendrapara | FW | OFC | HOS | Cultivation of high value and low volume crop like broccoli, red cabbage and capsicum | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOM | Cultivation and fertilizer management in rabi onion | 1 | 01 | 25 | - | - | - | - | - | - | - |

| 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 | 15 | 16 |
| Kendrapara | FW | OFC | HOV | Use of locally available medicinal and aromatic plants | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | HOV | Post harvest management of potato | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | FIS | Pond preparation and pre stocking management in pisciculture tanks | 1 | 01 | 23 | 1 | 1 | - | - | - | - | - |
| Kendrapara | FW | OFC | FIS | Liming manuring fertilization and supplementary feeding in pisciculture tanks | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | FIS | Fry and fingerling rearing | 1 | 01 | 22 | 1 | - | 2 | - | - | - | - |
| Kendrapara | FW | OFC | FIS | Magur culture in small shallow tanks | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | FIS | Composite fish culture in village community tanks | 1 | 01 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | FIS | Multiple stocking and multiple harvesting method of pisciculture | 1 | 01 | 25 | - | - | - | - | - | - | - |
| Kendrapara | FW | OFC | WOE | mushroom cultivation | 1 | 01 | - | 25 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | WOE | Short term storage practices of perishable vegetable | 1 | 01 | - | 24 | - | 1 | - | - | - | - |
| Kendrapara | FW | OFC | WOE | Backyard rearing of duck for income generation | 1 | 01 | - | 25 | - | - | - | - | - | - |
| Kendrapara | FW | OFC | WOE | Fodder for sustainable livestock | 1 | 01 | - | 23 | 1 | 1 | - | - | - | - |

| 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 | 15 | 16 |
| Kendrapara | FW | OFC | WOE | Management of poultry bird in winter | 1 | 01 | - | 25 | - | - | - | - | - | - |
| Kendrapara | RY | ONC | CRP | Vermicompost production for self employment | | | | | | | | | | |
| Kendrapara | RY | ONC | CRP | Certified Seed production for self employment | 01 | 03 | 15 | - | - | - | - | - | - | - |
| Kendrapara | RY | ONC | PLP | Self employment through Paddy straw mushroom cultivation | 01 | 03 | 13 | 2 | - | - | - | - | - | - |
| Kendrapara | RY | ONC | PLP | Self employment through oyster mushroom cultivation | 01 | 02 | 12 | 1 | 2 | - | - | - | - | - |
| Kendrapara | RY | ONC | HOO | Horticulture landscape for income generation | 01 | 02 | 15 | - | - | - | - | - | - | - |
| Kendrapara | RY | ONC | HOO | Round the year production of marigold for income generation. | 01 | 02 | 13 | 2 | - | - | - | - | - | - |
| Kendrapara | RY | ONC | FIS | Seed production in FRP tanks | 01 | 02 | 15 | - | - | - | - | - | - | - |
| Kendrapara | RY | ONC | FIS | Integrated farming system | 01 | 02 | 14 | - | - | - | - | - | 1 | - |
| Kendrapara | RY | ONC | WOE | Small scale income generating enterprises for rural youths | 01 | 02 | 13 | 1 | 1 | - | - | - | - | - |
| Kendrapara | RY | ONC | WOE | Vermi-compost a mean to strengthen livelihood of SHG groups | 01 | - | 15 | - | - | - | - | - | - | - |
| Kendrapara | RY | ONC | EXP | Fodder cultivation for big and small ruminants | 01 | 02 | 25 | - | - | - | - | - | - | - |

| 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 | 15 | 16 |
| Kendrapara | RY | ONC | EXP | In-situ moisture conservation technologies for better land and water management | 01 | 02 | 24 | 1 | - | - | - | - | - | - |
| Kendrapara | RY | ONC | EXP | Rural Entrepreneurships development through Income generating activities | 01 | 02 | 25 | - | - | - | - | - | - | - |
| Kendrapara | RY | ONC | EXP | Integrated farming system for sustainable livelihoods | 01 | 02 | 23 | - | 2 | - | - | - | - | - |
| Kendrapara | RY | ONC | EXP | Conservation and Management of Natural Resources | 01 | 02 | 25 | - | - | - | - | - | - | - |
| Kendrapara | RY | ONC | EXP | Agro-forestry model and its importance on livelihood | 01 | 02 | 22 | 1 | 1 | - | 1 | - | - | - |

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 | Crop | Integrated farming | 05 | 10 | - | - | - | - | - | - | - |
| Kendrapara | Bee keeping for profit and pleasure | Enterprise | Bee keeping | 05 | 8 | 2 | - | - | - | - | - | - |
| Kendrapara | Nursery management practices | Crop | Planting material production | 05 | 6 | 4 | - | - | - | - | - | - |
| Kendrapara | Fry and fingerling rearing | Crop | Production technology | 02 | 9 | 1 | - | - | - | - | - | - |
| Kendrapara | Value addition of milk and preparation of paneer | Enterprise | Value addition | 02 | - | 10 | - | - | - | - | - | - |
| Kendrapara | Preparation of Business Development Plan for SHG/JLG/FC | | Promotion of enterprises | 03 | 8 | 1 | 1 | | - | - | | - |

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 | |
| Kendrapara | Backyard rearing of duck & poultry for income generation | Backyard rearing | 37 | 64 | |
| | Mushroom Cultivation | Small scale | 36 | 254 | |
| | Pisciculture | Commercial | 45 | 283 | |
| | Value Addition | Small scale | 18 | 32 | |

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/R Y/ 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | |

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/R Y/ 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | | | | | |

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 Jute | 25 | 36 | 68 | - | - | - | - | 1. 69 ha 2. 18 No. Adopted 3. i. Knowledge- 88.88% |
| Kendrapara | Integrated Weed management in jute | 25 | 23 | 59 | - | - | - | - | 1. 28 ha 2. 14 No. Adopted 3. i. Knowledge- 156.52% |
| Kendrapara | Liming of Acid soil for higher productivity | 25 | 35 | 78 | - | - | - | - | 1. 92 ha 2. 21 No. Adopted 3. i. Knowledge- 122.85% |
| Kendrapara | Integrated weed management in paddy | 25 | 29 | 63 | - | - | - | - | 1. 74 ha 2. 9 No. Adopted 3. i. Knowledge- 117.24% |

| | | | | | | | | | |
|------------|--|----|----|----|----|----|-------|--------|---|
| Kendrapara | Use of bio-fertilizer in paddy | 25 | 25 | 60 | - | - | - | - | 1. 62 ha 2. 14 No. Adopted 3. i. Knowledge- 238.88% |
| Kendrapara | Integrated Farming system for livelihood security | 25 | 14 | 43 | - | - | - | - | 1. 32 ha 2. 6 No. Adopted 3. i. Knowledge- 20% , 14% |
| Kendrapara | Inter cropping for higher yield and sustainability | 25 | 18 | 61 | - | - | - | - | 1. 62 ha 2. 14 No. Adopted 3. i. Knowledge- 238.88% |
| Kendrapara | Use of Biofertiliser in Pulses (greengram,blackgram) | 25 | 32 | 68 | 32 | 51 | 17000 | 35000 | 1. 220 ha 2. Out of 25 trainees 13 trainee adopted 3. i. Knowledge- 112% ii. Production- 59% iii. Income- 105% |
| Kendrapara | Gypsum application in oilseed crops (ground nut, mustard) | 25 | 38 | 62 | 34 | 44 | 18000 | 27000 | 1. 116 ha 2. Out of 25 trainee 9 trainees adopted the inter cropping practice 3.i. Knowledge- 63% , Production- 29% , Income- 50% |
| Kendrapara | SRI method of rice cultivation to mitigate climate change | 25 | 38 | 57 | 33 | 40 | 16000 | 23000 | 156 ha 2. Out of 25 farmers 16 founded the bio-fertilizer application in paddy. 3.i. Knowledge- 50% ii.. Production- 21% iii. Income- 44% |
| Kendrapara | Integrated weed management in groundnut | 25 | 32 | 68 | 32 | 51 | 17000 | 35000 | 1. 220 ha 2. Out of 25 trainees 13 trainee adopted 3. i. Knowledge- 112% ii. Production- 59% iii. Income- 105% |
| Kendrapara | Integrated nutrient management in hybrid rice | 10 | 32 | 47 | 35 | 42 | 14000 | 21,000 | 1. 111 ha 2. Out of 10 trainees 3 trainee adopted 3. i. Knowledge- 46% ii. Production- 20% iii. Income- 50% |
| Kendrapara | Vermicompost production for self employment | 15 | 28 | 68 | - | - | - | - | 1. 76 ha 2. 12 No. Of farmer adopted technology 3. i. Knowledge- 142.8% |

| | | | | | | | | | | |
|------------|--|----|----|----|-----|-----|--------|--------|--|-------|
| Kendrapara | Certified Seed production for self employment | 15 | 22 | 40 | 165 | 202 | 22,500 | 39,000 | 1. 21 ha No. Of farmer adopted technology 3. i. Knowledge- 81.8% ii. Production-22.4%, iii. Income- 73..3% | 2. 12 |
| Kendrapara | Integrated farming system model for self employment | 10 | 18 | 35 | - | - | - | - | 1. 52 ha No. Of farmer adopted technology 3. i. Knowledge- 94.4% | 2. 8 |
| Kendrapara | Organic farming for sustainable Agriculture | 15 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha 25 Nos. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% | 2. |
| Kendrapara | Care and management of paddy straw mushroom in summer season | 25 | 40 | 70 | 1 | 1.5 | 701 | 105 | 1. 100 villages of the district 2. 700 adopted the technology 3. i. Knowledge- 75%, ii. Production- 50% iii. Income- 50% | |
| Kendrapara | Safe and judicious use of pesticide | 25 | 10 | 30 | - | - | - | - | 1. Area expanded 80 ha 2. No of farmers adopted- 250 nos. 3. i. Knowledge- 20% | |
| Kendrapara | Seed borne diseases of paddy and their management | 25 | 10 | 45 | - | - | - | - | 1. Area expanded 200 ha 2. No of farmers adopted- 400 nos. 3. i. Knowledge- 77% | |
| Kendrapara | Integrated pest management in Kharif paddy | 25 | 25 | 55 | - | - | - | - | 1. Area expanded 150 ha 2. No of farmers adopted- 200nos. 3. i. Knowledge- 54% | |
| Kendrapara | Integrated disease management in Kharif paddy | 25 | 20 | 40 | - | - | - | - | 1. Area expanded 120 ha 2. No of farmers adopted- 150nos. 3. i. Knowledge- 40% | |
| Kendrapara | Integrated disease management in jute | 25 | 30 | 55 | - | - | - | - | 1. Area expanded 25 ha 2. No of farmers adopted- 50 nos. 3. i. Knowledge- 54% | |
| Kendrapara | Disease management in banana | 25 | 25 | 63 | 350 | 450 | 35,600 | 46,800 | 1. 50 ha 2. Out of 25 trainees 8 farmers adopted the scientific pest and disease in banana 3.i. Knowledge- 60% ii. Production- 22% iii. Income- 23.93% | |

| | | | | | | | | | |
|------------|--|----|----|----|-----|--------|----------|----------|---|
| Kendrapara | Pests of Brinjal and their management. | 25 | 48 | 70 | 300 | 450 | 28,860 | 44,430 | 1. 80 ha 2. Out of 25 trainees 14 farmers adopted the scientific pest management in brinjal 3.i. Knowledge- 31.42% ii. Production- 33.33% iii. Income- 35.04% |
| Kendrapara | pest management in coconut | 25 | 15 | 45 | 35 | 55 | 28,00 | 5,600 | 1. 150 ha 2. Out of 25 trainees 18 farmers adopted the disease and pest management in coconut 3.i. Knowledge- 66.66% ii. Production- 36.36% iii. Income- 50% |
| Kendrapara | Disease management of cole crops | 25 | 55 | 65 | 250 | 300 | 1,10,000 | 1,50,000 | 1. 85 ha 2. Out of 25 trainees 11 farmers adopted the integrated disease management of cole crops 3.i. Knowledge- 15.38% ii. Production- 16.66% iii. Income- 26.66% |
| Kendrapara | Integrated disease management in sunflower | 25 | 25 | 63 | 350 | 450 | 35,600 | 46,800 | 1. 50 ha 2. Out of 25 trainees 8 farmers adopted the scientific disease management in sunflower 3.i. Knowledge- 60% ii. Production- 22% iii. Income- 23.93% |
| Kendrapara | Integrated disease management of potato | 25 | 47 | 67 | 10 | 210 | 80,000 | 105000 | 1. 80 ha 2. Out of 25 trainees 11 farmers adopted the scientific disease management of potato 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50% |
| Kendrapara | Self employment through Paddy straw mushroom cultivation | 15 | 50 | 80 | 1 | 1.5 | 70 | 105 | 1.90 villages 2.600 adopted the technology 3. i. Knowledge-60 % ii. Production –50 % iii. Income- 50 % |
| Kendrapara | Self employment through oyster mushroom cultivation | 15 | 45 | 70 | 1kg | 1.5 kg | 40 | 60 | 1.130 villages 2.40 adopted the technology 3. i. Knowledge-55.6 % ii. Production –50 % iii. Income- 50 % |

| | | | | | | | | | |
|------------|---|----|----|----|-----|-----|--------|--------|--|
| Kendrapara | Bee keeping for profit and pleasure | 10 | 20 | 57 | 5 | 10 | 1000 | 2000 | 1.10 villages 2. Out of 10 trainees 5 farmers adopted the recommended scientific bee keeping 3.i. Knowledge- 64.91% ii. Production- 50% iii. Income- 50% |
| Kendrapara | Botanicals and bio-agent used for control of pests of paddy | 10 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha 2. 8 No. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% |
| Kendrapara | Pond preparation and pre stocking management in pisciculture tanks | 25 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha 2. 14 No. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% |
| Kendrapara | Liming manuring fertilization and supplementary feeding in pisciculture tanks | 25 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha 2. 14 No. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% |
| Kendrapara | Seed production in portable FRP carp hatchery | 25 | 24 | 52 | 160 | 192 | 30,000 | 46000 | 1. 58 ha 2. 15 No. Of farmer adopted technology 3. i. Knowledge- 116.6%, ii. Production- 20% iii. Income- 53.5% |
| Kendrapara | Seed production in portable FRP carp hatchery | 25 | 47 | 67 | 10 | 210 | 80,000 | 105000 | 1. 80 ha 2. Out of 25 trainees 11 farmers adopted the technology 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50% |
| Kendrapara | Fry and fingerling rearing | 25 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha 2. 14 No. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% |
| Kendrapara | Magur culture in small shallow tanks | 25 | 29 | 63 | - | - | - | - | 1. 74 ha 2. 9 No. Adopted 3. i. Knowledge- 117.24% |

| | | | | | | | | | | |
|------------|--|----|----|----|----|-----|--------|--------|---|-------|
| Kendrapara | Supplimentary feeding in pisciculture tank | 25 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha 14 No. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% | 2. |
| Kendrapara | Composite fish culture in village community tanks | 25 | 42 | 65 | - | - | - | - | 1. 112 ha 20 No. Of farmer adopted technology 3. i. Knowledge- 54.7% | 2. |
| Kendrapara | Floating fish feed management in pisciculture tanks | 25 | 47 | 67 | 10 | 210 | 80,000 | 105000 | 1. 80 ha 2. Out of 25 trainees 11 farmers adopted the Floating fish feed management in pisciculture tanks 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50% | 3.i. |
| Kendrapara | Integrated farming system | 25 | 36 | 68 | - | - | - | - | 1. 69 ha 2. 18 No. Adopted 3. i. Knowledge- 88.88% | |
| Kendrapara | Prophylaxis and fish disease control in pisciculture tanks | 25 | 29 | 63 | - | - | - | - | 1. 74 ha 2. 9 No. Adopted the technology 3. i. Knowledge- 117.24% | |
| Kendrapara | Multiple stocking and multiple harvesting method of pisciculture | 25 | 45 | 72 | 36 | 45 | 1400 | 2300 | 1. 48 ha No. Of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3% | 2. 14 |
| Kendrapara | Seed production in FRP tanks | 15 | 23 | 32 | - | - | - | - | 1. 123 ha 2. Out of 15 trainees 10 farmers adopted the technology 3. i. Knowledge- 36% | |
| Kendrapara | Integrated farming system | 15 | 28 | 68 | - | - | - | - | 1. 76 ha 2. 12 No. Of farmer adopted technology 3. i. Knowledge- 142.8% | |
| Kendrapara | Fry and fingerling rearing | 10 | 44 | 79 | 6 | 10 | 3000 | 6000 | 1. 160 ha 2. Out of 10 trainees 6 trainee adopted 3. i. Knowledge- 79% ii. Production- 66% iii. Income- 100% | |

| | | | | | | | | | |
|------------|---|----|----|----|----|-----|-------|-------|---|
| Kendrapara | Cage and pen culture in reservoirs | 10 | 42 | 59 | - | - | - | - | 1. 72 ha 2. Out of 25 trainees 12 went for Cage and pen culture in reservoirs 3. i. Knowledge- 40.4% |
| Kendrapara | Nutrient management in kharif vegetables | 25 | 45 | 76 | 92 | 143 | 36800 | 57200 | 1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production –55.4 % iii. Income- 55.4% |
| Kendrapara | Nursery raising techniques for cultivation of Kharif tomato | 25 | 29 | 38 | - | - | - | - | 1. 62 ha 2. Out of 25 trainees 10 farmers adopted the proper method of raising nursery for Kharif tomato. 3. i. Knowledge- 31% |
| Kendrapara | Management of young plants/orchards | 25 | 28 | 37 | - | - | - | - | 1. 23 ha 2. Out of 25 trainees 7 went for Management of young plants/orchards . 3. i. Knowledge – 32.1% |
| Kendrapara | Pond based farming system | 25 | 45 | 76 | 92 | 143 | 36800 | 57200 | 1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production –55.4 % iii. Income- 55.4% |
| Kendrapara | Propagation technique of ornamental plants | 25 | 28 | 36 | - | - | - | - | 1. 14 ha 2. Out of 25 trainees 8 trainees have started their Propagation technique of ornamental plants. 3. i. Knowledge- 28.5% |
| Kendrapara | Integrated nutrient management for off season cultivation of cole crops | 25 | 24 | 36 | - | - | - | - | 1. 38 ha 2. Out of 25 trainees 11 farmers adopted the technology 3. i. Knowledge- 50% |
| Kendrapara | Fertilizer management in TCB banana plantations | 25 | 46 | 58 | - | - | - | - | 1. 61 ha 2. Out of 25 trainees 12 farmer. Have gone for Fertilizer management in TCB banana plantations 3. i. Knowledge- 26.0% |
| Kendrapara | Integrated nutrient management in brinjal | 25 | 28 | 37 | - | - | - | - | 1. 23 ha 2. Out of 25 trainees 7 went for integrated nutrient management in brinjal . 3. i. Knowledge – 32.1% |

| | | | | | | | | | |
|------------|---|----|----|----|----|-----|-------|-------|--|
| Kendrapara | Cultivation of high value and low volume crop like broccoli, red cabbage and capsicum | 25 | 27 | 34 | - | - | - | - | 1. 41 ha 2. Out of 25 trainees 12 farmers are adopted the technology. 3. i. Knowledge- 25.92 % |
| Kendrapara | Cultivation and fertilizer management in rabi onion | 25 | 24 | 36 | - | - | - | - | 1. 38 ha 2. Out of 25 trainees 11 farmers adopted the technology 3. i. Knowledge- 50% |
| Kendrapara | Use of locally available medicinal and aromatic plants | 25 | 27 | 34 | - | - | - | - | 1. 41 ha 2. Out of 25 trainees 12 farmers are using locally available medicinal and aromatic plants. 3. i. Knowledge- 25.92 % |
| Kendrapara | Post harvest management of potato | 25 | 45 | 76 | 92 | 143 | 36800 | 57200 | 1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production –55.4 % iii. Income- 55.4% |
| Kendrapara | Horticulture landscape for income generation | 15 | 49 | 73 | - | - | - | - | 1. 32 ha 2. Out of 15 trainees 12 farmers adopted 3. i. Knowledge- 48% |
| Kendrapara | Round the year production of marigold for income generation. | 15 | 14 | 21 | - | - | - | - | 1. 14 ha 2. Out of 15 trainees 8 trainees have started Staggered planting material of marigold for round the season production of flowers. 3. i. Knowledge- 42.85% |
| Kendrapara | Nursery management practices | 25 | 39 | 53 | - | - | - | - | 1. 123 ha 2. Out of 10 trainees 8 farmers adopted 3. i. Knowledge- 36% |
| Kendrapara | Orchard management and rejuvenation of old and declining orchard | 10 | 35 | 51 | - | - | - | - | 1. 28 ha 2. Out of 10 trainees 5 farmers adopted the technology 3. i. Knowledge- 45.7% |
| Kendrapara | Value addition of locally available summer season fruit and vegetable | 25 | 25 | 50 | - | - | 950 | 1700 | 1.10 villages 2.900 adopted the technology 3. i. Knowledge-25 % iii. Income- 78.9 % |
| Kendrapara | mushroom cultivation | 25 | 45 | 76 | 92 | 143 | 36800 | 57200 | 1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production –55.4 % iii. Income- 55.4% |

| | | | | | | | | | |
|------------|--|----|----|----|--------------|--------|-------|-------|--|
| Kendrapara | Short term storage practices of perishable vegetable | 25 | 29 | 38 | - | - | - | - | 1. 62 ha 2. Out of 25 trainees 10 farmers adopted the technology. 3. i. Knowledge- 31% |
| Kendrapara | Backyard rearing of duck for income generation | 25 | 38 | 52 | 1kg per bird | 1.5 | 80 | 120 | 1. 30 villages 2. Out of 10 trainees 25 trainee 21 adopted 3. i. Knowledge- 36.8% ii. Production- 50% iii. Income- 50% |
| Kendrapara | Bee keeping for additional income of women SHG | 25 | 20 | 57 | 5 | 10 | 1000 | 2000 | 1.10 villages 2. Out of 25 trainees 20 farmers adopted the technology 3.i. Knowledge- 64.91% ii. Production- 50% iii. Income- 50% |
| Kendrapara | Use of drudgery removing implements for farm women | 50 | 45 | 70 | 1kg | 1.5 kg | 40 | 60 | 1.130 villages 2.40 adopted the technology 3. i. Knowledge-55.6 % ii. Production -50 % iii. Income- 50 % |
| Kendrapara | Fodder for sustainable livestock | 25 | 27 | 34 | - | - | - | - | 1. 41 ha 2. Out of 25 trainees 12 farmers are adopted the technology 3. i. Knowledge- 25.92 % |
| Kendrapara | Post harvest storage of mushroom | 25 | 45 | 76 | 92 | 143 | 36800 | 57200 | 1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production -55.4 % iii. Income- 55.4% |
| Kendrapara | Cut flower cultivation for bouquet making | 15 | 14 | 21 | - | - | - | - | 1. 14 ha 2. Out of 15 trainees 8 trainees have started Staggered planting material of marigold for round the season production of flowers. 3. i. Knowledge- 42.85% |
| Kendrapara | Processing of spices | 25 | 25 | 50 | - | - | 950 | 1700 | 1.10 villages 2.900 adopted the technology 3. i. Knowledge-25 % iii. Income- 78.9 % |
| Kendrapara | Management of poultry bird in winter | 50 | 24 | 38 | 92 | 143 | 36800 | 57200 | 1.18 ha 2.Out of 50 trainees 32 adopted the technology 3. i. Knowledge-58.3 % ii. Production -55.4 % iii.Income- 55.4 % |

| | | | | | | | | | |
|------------|---|----|----|----|----|----|------|------|---|
| Kendrapara | Fish processing technology | 25 | 34 | 56 | 52 | 98 | - | - | 1. 28 ha 2. Out of 25 trainees 9 farmers adopted the technology of proper layout of pond embankment. 3. i. Knowledge- 45.7% |
| Kendrapara | Vermi-compost a mean to strengthen livelihood of SHG groups | 15 | 44 | 79 | 6 | 10 | 3000 | 6000 | 1. 160 ha 2. Out of 10 trainees 6 trainee adopted 3. i. Knowledge- 79% ii. Production- 66% iii. Income- 100% |
| Kendrapara | Value addition of milk and preparation of paneer | 10 | 25 | 50 | - | - | 950 | 1700 | 1.10 villages 2.900 adopted the technology 3. i. Knowledge-25 % iii. Income- 78.9 % |
| Kendrapara | Fodder cultivation for big and small ruminants | 25 | 24 | 37 | - | - | - | - | 1. 10 villages 2. Out of 25 farmers 15 farmers are interested on fodder cultivation 3. Knowledge-54.16 % |
| Kendrapara | In-situ moisture conservation technologies for better land and water management | 25 | 15 | 26 | - | - | - | - | 1. 10 villages 2. Out of 25 farmers 14 farmers have been followed post harvest processing and value addition 3. Knowledge-60 % |
| Kendrapara | Conservation and Management of Natural Resources | 25 | 22 | 36 | - | - | - | - | 1. 8 villages 2. Out of 25 farmers 17 farmers are interested on management of available natural resources for maximum benefits 3. Knowledge-63.63 % |
| Kendrapara | Agro-forestry model and its importance on livelihood | 25 | 12 | 21 | - | - | - | - | 1. 5 villages 2. Out of 25 farmers 9 farmers are interested on Farm entrepreneurship for self employment. 3. Knowledge-75 % |
| Kendrapara | SHG, FIG, CIG, JLG and WIG formation and management | 25 | 15 | 26 | - | - | - | - | 1. 10 villages 2. Out of 25 farmers 14 farmers are adopted the technology 3. Knowledge-60 % |
| Kendrapara | New Dimension of Extension Approach and Technology Transfer to Farmers field | 25 | 5 | 40 | - | - | - | - | 1.5 villages 2.25 adopted 3. Knowledge-40 % |

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 | | Purpos e | Topic s | Crop Stages |
| | | | | M | F | M | F | M | F | | | |
| Kendrapara | Field Day | 10 | 8 | 85 | 23 | | | | | | Cultivation of oyster mushroom, rearing of poultry bird, IPM for yellow stem borer in paddy, | Harvest ing |
| Kendrapara | Kisan Mela | 1 | 1 | 78 | 12 | 2 | 3 | 5 | | | | |
| Kendrapara | Kisan Ghosthi | | | | | | | | | | | |
| Kendrapara | Exhibition | 3 | 3 | | | | | | | | | |
| Kendrapara | Film Show | 58 | 55 | 612 | 125 | 13 | 8 | - | - | | | |
| Kendrapara | Method Demonstrations | 6 | 6 | 18 | 12 | | | | | | Seed treatment, Orchard Management & Layout, SRI | |
| Kendrapara | Farmers Seminar | | | | | | | | | | | |
| Kendrapara | Workshop | | 6 | - | - | - | - | - | - | - | Zonal workshop, NICRA workshop, | |
| Kendrapara | Group meetings | 65 | 71 | 623 | 215 | 23 | 14 | 8 | 3 | | | |
| Kendrapara | Lectures delivered as resource persons | 30 | 30 | 1200 | 300 | | | | | | | |
| Kendrapara | Newspaper coverage | 20 | 19 | - | - | - | - | - | - | - | | |
| Kendrapara | Radio talks | 18 | 16 | - | - | - | - | - | - | - | | |
| Kendrapara | TV talks | 35 | 40 | - | - | - | - | - | - | - | | |
| Kendrapara | Popular articles | 6 | 6 | | | | | | | | | |
| Kendrapara | Extension Literature | 6 | 6 | | | | | | | | | |
| Kendrapara | Farm advisory Services | 68 | 75 | 523 | 120 | 5 | - | - | - | - | | |
| Kendrapara | Scientific visit to farmers field | 885 | 903 | - | - | - | - | -- | | | | |
| Kendrapara | Farmers visit to KVK | 1500 | 1455 | - | - | - | - | - | - | - | | |
| Kendrapara | Diagnostic visits | 110 | 112 | - | - | - | - | - | - | - | | |
| Kendrapara | Exposure visits | 1 | 1 | | | | | | | | | |
| Kendrapara | Ex-trainees Sammelan | 2 | 2 | | | | | | | | | |
| Kendrapara | Soil health Camp | 1 | 1 | 77 | 23 | | | | | | | |
| Kendrapara | Animal Health Camp | 1 | 1 | | | | | | | | | |
| Kendrapara | Agri mobile clinic | | | | | | | | | | | |
| Kendrapara | Soil test campaigns | | | | | | | | | | | |
| Kendrapara | Farm Science Club conveners meet | 25 | 25 | 400 | 100 | | | | | | | |
| Kendrapara | Self Help Group conveners meetings | 20 | 20 | | 172 | | 28 | | | | | |
| Kendrapara | Mahila Mandals conveners meetings | 18 | 18 | | 162 | | 18 | | | | | |
| Kendrapara | Celebration of important days (World environment day) | 3 | 3 | 116 | 50 | 4 | 6 | 4 | | | Women in Agril. day, parthenium day, Akshya trutyia | |

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

8.4 KVK Newsletters

| KVK Name | Date of start | Periodicity | Number of copies printed | Number of copies distributed |
|------------|---------------|-------------|--------------------------|------------------------------|
| Kendrapara | 1/4/2013 | Quarterly | 500 | 500 |
| Kendrapara | 1/10/2013 | Quarterly | 500 | 500 |

8.4 Literature developed/published

| KVK Name | Type | Title | Author's name | Number of copies |
|------------|---------|--|---------------------|------------------|
| Kendrapara | Booklet | Cashew Cultivation | Dr.Debasis Behera | 500 |
| Kendrapara | Booklet | Jaibika Upayare Phasala re rogapoka niyantrana | Sj.Manoj kumar Rout | 1000 |
| Kendrapara | Booklet | Panipariba sarankhyana | Mrs.Anjali Ray | 500 |
| Kendrapara | Booklet | Misrita Machha chasa | Sj.Naba kisor Sial | 1000 |

8.4 Details of Electronic Media Produced

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

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.) |
|----------|-------------------|------|----------|----------------|-------------|----------------------------|------------------------------|
| | Cereals | Rice | Lalat | 20 | 26020 | | |
| | Cereals | Rice | Ranidhan | 19 | 43510 | | |
| | Cereals | Rice | Pooja | 47 | 107630 | | |

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 seedlings | Tomato | Chiranjibi, | 1300 | 1300 | 10 | 0.1 |
| Kendrapara | | Brinjal | Tarini | 1300 | 1300 | 18 | 0.1 |
| Kendrapara | | papaya | FS-1 | 650 | 3250 | 22 | 0.2 |
| Kendrapara | | Chilli | Syamala | 1000 | 500 | 10 | 0.01 |
| Kendrapara | | Cauliflower | Barkha | 1000 | 1000 | 20 | 0.1 |
| Kendrapara | | Potato | Kufri Chandramukhi | 12 ql. | 8400 | 50 | 1.0 |
| Kendrapara | Others | | | | | | |
| Kendrapara | Mushroom spawn | mushroom | <i>V. volvaceae, P. Sajorcaju</i> | 2093 | 27157 | 86 | |
| Kendrapara | Mushroom | | <i>V. volvaceae, P. Sajorcaju</i> | 322 kg | 22560 | 250 | |
| Kendrapara | | Potato | Kufri Chandramukhi | 12 ql. | 8400 | 50 | 1.0 |
| Kendrapara | | Betel leaves | | 1500 | 425 | | |

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 | Vermi worm | 1 | | 500 | 2 | |
| | Bio Agents | | | | | | |
| Kendrapara | Bio Fertilizer | Vermicompost | 600 | | 3000 | 21 | |
| | 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 | Fish seed | IMC | Fry, fingerlings & year lings | 230000 | 76000 | 40 |
| Kendrapara | Fish seed | Colour fish | Ornamental fish | 325 | 1444 | 25 |
| Kendrapara | Poultry | Kalinga brown, synthetic, redcornish | Chicks | 2000 | 76570 | 105 |
| Kendrapara | Duckling | Khaki campbell | ducklings | 200 | 7800 | 20 |

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 | Running condition | 2005-06 | | 1001 | 925 | 11 | 3655 | - |

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) |
|----------|--------------------------------|-----------------------|---------|----------------|----------------|-----------------|-----------------|---|
| | | 2005-06 | | 10 | 10 | 3 | - | - |

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 |
| NA | | | | | | | | | | |

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) |
|------------|--------|------|---------------------------------|----------------------|------------------------|----------------------------|--------------------------------|---------------------------------------|
| Kendrapara | March | 2014 | Volunteers orientation training | 4 | 15 | 4 | | 25 |

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 |
|------------|----------------------|-------------------|--------------------------|------------------------|-------------------------------------|
| Kendrapara | 2009-10 | 2010 | 6 | Nil | - |

13. Details of SAC Meeting

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations |
|------------|---------------------|-----------------------------|--|
| Kendrapara | 29.08.2013 | 26 | 1. The farmers involved in integrated farming system of the district should be identified and invited to KVK for interaction |
| | | | 2. Tagging of paddy seed should be done before selling to the farmers. Beside the seeds produced should be sold to OSSC Ltd. |
| | | | 3. Bio-agents and yellow sticky trap should be popularized among the farmers |
| | | | 4. Literature should be prepared in collaboration with State Agril. Department and NABARD |
| | | | 5. Supplementary income generation activity should be increased |

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 | 250 | 3229 | | Pacific technology | Seed treatment, Integrated disease management, Integrated pest management, Integrated nutrient management |

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 | ATMA | State | 500000 | Assessment & refinement | Kendrapara | |
| Kendrapara | BGREI | State | 170000 | Monitoring | Kendrapara | |
| Kendrapara | RKVY | State | 200000 | Installation of drip and sprinkler irrigation system | KVK Campus | |

16. Status of Revolving Funds (Rs.)

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|------------|-------------|-----------------------|-----------------------|----------------------|
| Kendrapara | 30878179008 | 265159 | 298912 | 298912 |

17. Awards & Recognitions

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

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

b) Details about Technology Park

| Name of KVK | Name of Component of Park | Detail Information (If established) |
|-------------|---------------------------|---|
| Kendrapara | Crop Cafeteria | Medicinal plants, Grass, Flowers, Acacia mangium, Azolla, Vegetables, IFS Model and Banana |
| | Technology Desk | - |
| | Visitors Gallery | - |
| | Technology Exhibition | Poly house, Mushroom spawn unit, Vermicompost, Carp hatchery, Colour fish, Duckery, poultry and Turkey bird |
| | Technology Gate-Valve | |

c). Crop Cafeteria-

| Sr. No. | Theme of Crop Cafeteria | No. of Crop Cafeteria |
|---------|-------------------------|-----------------------|
| 1 | Vegetable cultivation | 1 |

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

| Sr. No. | Name of KVK | Name of Farm Innovator | Name of the Innovation | Address of the farmer with Mobile No. |
|---------|-------------|------------------------|------------------------|---------------------------------------|
| 1 | Kendrapara | - | - | - |

20. KVK interaction with progressive farmers

| Sr. No. | Date and month of interaction programme with progressive farmers | No. of progressive farmers to be participated |
|---------|--|---|
| 1 | 04.12.2013 | 50 |
| 2 | 12.02.2014 | 60 |
| 3 | 25.02.2014 | 50 |

21. Outreach of KVK

| Name of KVK | Number of Blocks | | Number of Villages | |
|-------------|------------------|-----------|--------------------|-----------|
| | Intensive | Extensive | Intensive | Extensive |
| Kendrapara | 3 | 6 | 32 | 350 |

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. |
|---------|----------------------|------------------------|-------------------------------------|
| | Jagatsingpur | Seeds, resource person | |
| | Jajpur | Seeds, resource person | |

24. Important visitors to KVK

| Name of KVK | Name of Visitor | Date of Visit | ICAR | SAUs | Others | Remarks |
|-------------------|---|---------------|------|------|--------|-----------------------------------|
| Kendrapara | | | | | | |
| Kendrapara | Dr. Sreenath Dixit Coordinator, NICRA | 19.07.2013 | ICAR | | | Highly appreciate the work of KVK |
| Kendrapara | Prof. M. Kar, Vice Chancellor, OUAT, BBSR | 29.08.2013 | | SAUs | | Highly appreciate the work of KVK |
| Kendrapara | Dr. S.R.K Singh, Sr. Scientist, ZPD, Zone- VII, Jabalpur (MP) | 25.11.2013 | ICAR | | | Highly appreciate the work of KVK |
| Kendrapara | Prof. S.S Nanada Dean, Extension Education, OUAT | 12.02.2014 | | SAUs | | Highly appreciate the work of KVK |

25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---------|-------------|--------------------------|--------------------------------|-----------------|
| 1 | Kendrapara | 2011 | 6 | Mass |

26. E-CONNECTIVITY

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

27. Status of RTI

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

28. Status of Citizen Charter

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

29. Attended HRD Programmes organized by ZPD

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

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

30. Attended HRD Programmes organized by DES

| Name of KVK | Name of Staff | Post held | Programme attended (Nos) | Remarks |
|-------------|--------------------------|------------------------|--------------------------|-----------------------|
| Kendrapara | Mrs. Anjali Ray | Programme Coordinator | 1 | Orientation Programme |
| Kendrapara | Sri Lalita kumar Mohanty | SMS (Agronomy) | 1 | Orientation Programme |
| Kendrapara | Dr. Debasis Behera | SMS (Horticulture) | 1 | Orientation Programme |
| Kendrapara | Sri Manoj Ku. Rout | SMS (Plant protection) | 1 | Orientation Programme |
| Kendrapara | Sri. Nabakishore Sial | SMS (Fishery Sc.) | 1 | Orientation Programme |
| Kendrapara | Mrs. Namita Mahapatara | SMS (Home Sc.) | 1 | Orientation Programme |
| Kendrapara | Mrs. Annapurna Saran | P.A (Home Sc.) | 1 | Orientation Programme |
| Kendrapara | Mrs. Sangita Panda | P.A (Computer) | 1 | Orientation Programme |
| Kendrapara | Mr. Pankaj Ku. Chowdhury | Farm Manager | 1 | Orientation Programme |

| 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 | Mr. Sasank Lenka | SMS (Agril. Extension) | 1 | |

| 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 |
|-------------|-------------------|---|--------------------------|
| Kendrapara | Cyclone and flood | Estimation of crop, livestock and infrastructure damage | CRIDA, SAUs, ZPD |
| | | | |

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|-------------|---|-------------------|------------------------|-----------------------------------|
| Kendrapara | Group discussion, film show and field visit | 1 | 50 | crop |

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

| Name of KVK | Crops/cultivars | Area (ha) | Number of beneficiaries |
|-------------|-----------------------------|-----------|-------------------------|
| Kendrapara | Paddy (var. Sahabhagi dhan) | 1 | 13 |

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 |
|-------------|---------------------------------|------------------------|---------------------|
| Kendrapara | Dairy, poultry and pisciculture | 3 | 75 |

Animal health camps organized

| Name of KVK | Number of camps | No. of animals | No. of farmers |
|-------------|-----------------|----------------|----------------|
| Kendrapara | 1 | 253 | 120 |

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 |
|-------------|----------------|---------------|-----------------------|----------------|
| Kendrapara | Vermi compost | 600 | 2.5 | 21 |

Vermis Produced

| Name of KVK | Vermis Produced | Quantity (q) | Coverage of Area (ha) | No. of Farmers |
|-------------|-----------------|--------------|-----------------------|----------------|
| Kendrapara | Vermi worms | 1kg | | 2 |

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

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 |
|---|--------------|------------|---------|-------------------|---------------------------|
| Introduction of flood tolerant variety Swarna sub-I | Rice | 10 | 45 q/h | 30 | 100 |
| Introduction of YMV resistant variety of green gram | Green Gram | 5 | 9 q/h | 20 | 50 |
| Demonstration of IPM for stem borer in Paddy | Rice | 10 | 47q/h | 22 | 62 |
| Demonstration of IPM for early shoot borer in sugarcane | Sugarcane | 5 | 85 t/h | 25 | 30 |
| Demonstration of paddy straw mushroom | Mushroom | 100 bed | 2kg/bed | 100 | 50 |
| Introduction of high yielding variety of Onion | Onion | 2 | 180 q/h | 22 | 25 |

2. Proposed Extension Activities in NICRA Village

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|-----------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | Total |
| 1. Animal health camp | 100 | 40 | 5 | 145 |
| 2. Kissan mela | 100 | 35 | 6 | 141 |
| 3. Exhibition | 100 | 40 | 8 | 148 |

3. Proposed Training Activities in NICRA Village

| Name of Activity | Number of Participants/Beneficiaries to be Covered | | | |
|--------------------------------|--|------------|----------|-------|
| | Farmers | Farm Women | Official | Total |
| Mushroom cultivation | 20 | 30 | 3 | 53 |
| Pisciculture | 40 | 10 | 4 | 54 |
| Sugarcane | 12 | 13 | 2 | 27 |
| Paddy | 23 | 12 | 3 | 38 |
| Integrated disease management | 25 | 15 | 3 | 43 |
| Integrated pest management | 20 | 11 | 4 | 35 |
| Bee keeping | 9 | 6 | 3 | 18 |
| Poultry and duckery rearing | 7 | 18 | 4 | 29 |
| Value addition | 10 | 15 | 3 | 28 |
| Nursery raising | 10 | 15 | 2 | 27 |
| Integrated nutrient management | 20 | 5 | 5 | 30 |
| Natural resource management | 20 | 5 | 3 | 28 |
| Vermicomposting | 10 | 5 | 2 | 17 |

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 |
|---------------------------------------|------------------------------|----------------------|--|
| Mr.Pradeep Mohanty | District Agriculture Officer | 19-08-2013 | Satisfied with the performance of this project |

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:- KVK,Kendrapara

TITLE :- A step towards profit based sustainable livelihoods

Introduction:-

Keutagarh, a small village of Kendrapara block dominated by marginal and small farmers having small size land holding with no irrigation and poor drainage facilities. Farmers fail to utilize their land and resources judiciously. Twenty five percent of the population of Keutagarh village belong to SC category. Mr. Sanjay Nayak aged 35 years with little education a native of Keutagarh village under Ayava Gram Panchayat of Kendrapara block. He was a poor farmer of OBC category having 7 acres of land out of which 4.5 acres are arable and 2 acres pond excluding 0.5 acre of homestead land.

KVK intervention:-

Before KVK intervention, he was cultivating Paddy in his 4.5 acres land (mostly traditional varieties) under rainfed condition with total annual turnover of Rs 22,000/-. After renovation of his existing 2 acres farm pond, he came to KVK & sought technical supports. KVK extended its support to start a pond based integrated farming system with pisciculture, duckery, poultry, horticultural crops & field crops based on his suitability. After getting support from KVK & Line Departments, he could able to manage his activities.

Output:-

After renovation of existing farm pond, he started growing more number of crops in his available land with life saving irrigation. His developed integrated farming system which fetches him high income and ensure food security. He is one of the progressive farmers in his village and his vicinity. The details of expenditure and income status are stated below:



Outcome:-

| Pond base integrated farming system | Area | Income(Rs.) | Expenditure(Rs.) | Profit(Rs.) | B: C Ratio |
|-------------------------------------|----------|-------------|------------------|-------------|------------|
| Fish | 2 acre | 140000 | 65000 | 75000 | 2.15 |
| Banana | 0.5 acre | 25000 | 8000 | 17000 | 3.12 |
| Diary | 5nos | 125000 | 65000 | 60000 | 1.92 |
| Duckery | - | 30000 | 12500 | 17500 | 2.4 |
| Poultry | - | 65000 | 38000 | 27000 | 1.71 |
| vegetables | 0.5 acre | 34000 | 13000 | 21000 | 2.6 |
| From other source | | | | | |
| Paddy | 4.5 acre | 144000 | 68000 | 76000 | 2.11 |
| Total | | 563000 | 266500 | 296500 | 2.11 |

Impact:- After the satisfactory growth of farm, the he made a temporary watch house for supervision and has made barbed wire fencing. The performance of TC Banana grown as a component of IFS has spread to the nearby villages. Farmers have practically seen the adaptability of the TC Banana in this agro-climatic zone. The income from IFS has created a belief and confidence among the poor farmers (Net profit of Rs.2,96,500/-. Mr.Sanjay is getting intangible benefits of employment almost round the year in his farm. A feeling of self reliance, self sufficiency and urge for surging forward to emulate his socio-economic status has been improved in the village

Name of the KVK:- KVK,Kendrapara

TITLE:- Empowering Rural Youth through value addition

Introduction:-

Value added agriculture is a movement that has created a life of its own. It is an alternative production & marketing strategy that requires better understanding of the rapidly changing food industry & food safety issues. Mr. Mukesh Kumar Dhal aged 24 years belongs to village Ender, kendrapara who possesses 2.8 ha of land (1 ha pond & 1.8 ha cultivable upland) cultivates paddy in an area of 1.8 ha during kharif & Tomato & pulse (blackgram) during rabi in 1.8 ha as well as pisciculture earning a monthly income of Rs.15000/- . On the basis of skill he learned from KVK planned to start preparing value added products of his field crops with end products like tomato puree, sauce & chatni then from Rice puffed rice , flaked rice, papad, mixture, murku ,Muan & badi & papad from dal . Subsequently he received a very good response from the local market in his village due to quality & price and created a brand in his locality and nearby village markets. Mr.Mukesh is a frequent visitor to KVK, for knowledge up gradation & support, for large scale production of value added products of different other vegetables.



KVK Intervention:-

For proper utilization of his existing land & pond Mr. Mukesh came to KVK with a hope & approached for technical supports. KVK extended its full support to start pisciculture & horticultural crops & latter on he was trained on value addition & skill orientation based on his suitability. After getting support from KVK & Line Departments, he could able to manage his activities more effectively due to knowledge & skill he gained & became a entrepreneur in his locality. He is become the source of inspiration of his family, friends and farming community of the district.

Output:-

Before the intervention of Krishi Vigyan Kendra ,Kendrapara Mr.Mukesh used to earn an annual income of Rs.1,86,000/- from his existing land. But after his skill orientation , due to his sincere interest and knowledge gained in value addition he properly utilized his field crops through value addition & its marketing with a increase in annual income of Rs. 3, 61,000/- and became a micro entrepreneur & master trainer in his locality.



Outcome:-

| Sl. No. | Units | Area (ha) | Yield (qtl/ ha) | Cost of cultivation/Production (Rs.) | Gross income (Rs.) | Net income (Rs.) | BC Ratio |
|---------------------|---|-----------|-----------------|--------------------------------------|--------------------|------------------|----------|
| A | Income from crops | | | | | | |
| 1 | Tomato | 1 | 180 | 83,000 | 1,42,000 | 59,000 | 1.70 |
| 2 | Paddy | 1 | 35 | 28,000 | 45,000 | 17,000 | 1.60 |
| 3 | Dal - Blackgram | 0.8 | 4 | 14,000 | 24,000 | 10,000 | 1.70 |
| 4 | Pisciculture | 1 | 20 | 80,000 | 1,80,000 | 1,00,000 | 2.25 |
| B | Income from Value added products | | | | | | |
| 1 | Tomato (Puree,Sauce,Pickle) | - | 80 | 1,04,000 | 2,40,000 | 1,36,000 | 2.30 |
| 2 | Rice (Puffed , Flaked,Papad, Mixture,Murku, Muan) | - | 10 | 18,000 | 45,000 | 27,000 | 2.50 |
| 3 | Dal – Blackgram (Badi & Papad) | - | 2 | 14,000 | 35,000 | 21,000 | 2.50 |
| Net annual outcome- | | | | 3,39,000 | 7,00,000 | 3,61,000 | 2.06 |

Impact:-

Mr. Mukesh is now become a micro entrepreneur & successful trainer for dissemination of value addition technology in his locality with the help of KVK. He is now exercising his knowledge & skill that he gained during the training process supported by Krishi Vigyan Kendra, Kendrapara for other enterprise for higher sustainable income. He is now able to build up a better image with better lifestyle in his village & became a source of inspiration for others to think about value addition of different agro based commodities for higher income & sustainability.

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