

# **ANNUAL PROGRESS REPORT**

**April 2013 to March 2014**

**KVK, JAJPUR**



**OUAT, BHUBANESWAR**



**(Plant Protection)**

**OIC of Report and return Mr. Bijay Kumar Routray, SMS**

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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.)        |                     |
|----------|------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|---------------------|
| <b>1</b> | <b>On Farm Testing</b>                                                                                           |                          |                             |                     |
|          | Proposed OFT                                                                                                     | 22                       | 264                         |                     |
|          | On Going OFT                                                                                                     | 4                        | 31                          |                     |
|          | Technologies assessed (Completed OFT)                                                                            | 18                       | 233                         |                     |
|          | Technologies refined                                                                                             | -                        | -                           |                     |
|          | On farm trials conducted                                                                                         | -                        | -                           |                     |
| <b>2</b> | <b>Frontline demonstrations</b>                                                                                  |                          |                             |                     |
|          | Proposed Frontline demonstrations                                                                                | 32                       | 234                         |                     |
|          | On Going Frontline demonstrations                                                                                | 03                       | 15                          |                     |
|          | FLDs conducted on crops                                                                                          | 21                       | 159                         |                     |
|          | Area under crops (ha.)                                                                                           | 43 ha                    | 159                         |                     |
|          | FLD on farm implement and tools                                                                                  | 04                       | 20                          |                     |
|          | FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)                          | 03                       | 15                          |                     |
|          | FLD on Fisheries - Finger lings                                                                                  |                          |                             |                     |
|          | FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)          |                          |                             |                     |
|          | FLD on Women in Agriculture - ( Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.) | 04                       | 40                          |                     |
| <b>3</b> | <b>Training programmes</b>                                                                                       | <b>No. of Course</b>     | <b>Duration (days)</b>      | <b>Participants</b> |
|          | Farmers                                                                                                          | 43                       | 48                          | 1075                |
|          | Farm women                                                                                                       | 07                       | 09                          | 175                 |
|          | Rural youth                                                                                                      | 08                       | 16                          | 200                 |
|          | Extension personnel/ In service                                                                                  | 05                       | 09                          | 125                 |
|          | Vocational trainings                                                                                             | 03                       | 19                          | 40                  |
|          | Sponsored Training                                                                                               | 02                       | 04                          | 50                  |
|          | <b>Total</b>                                                                                                     | 68                       | 105                         | 1665                |
|          |                                                                                                                  | <b>No. of programmes</b> | <b>Participants</b>         |                     |
| <b>4</b> | <b>Extension Programmes</b>                                                                                      | 2476                     | 8484                        |                     |
| <b>5</b> | <b>Production of technology inputs etc</b>                                                                       | <b>Qty</b>               | <b>Beneficiaries (nos.)</b> |                     |
|          | Seed (qt.)                                                                                                       | 181.3                    | OSSC                        |                     |
|          | Planting material produced (nos.)                                                                                | 100000                   | 79                          |                     |
| <b>6</b> | <b>Livestock</b>                                                                                                 | <b>Qty</b>               | <b>Beneficiaries (nos.)</b> |                     |
|          | Livestock strains ( Nos)                                                                                         | -                        | -                           |                     |
|          | Milk Yield - Cow, Buffelo etc. (in liter)                                                                        | -                        | --                          |                     |
|          | Fish (Kg.)                                                                                                       | Continuing               |                             |                     |
|          | Fingerlings (nos.)                                                                                               | -                        | -                           |                     |
|          | Poultry-Eggs (nos.)                                                                                              | -                        | -                           |                     |
|          | Ducks (nos.)                                                                                                     | -                        | -                           |                     |
|          | Chicks etc. (nos.)                                                                                               | 4700                     | 170                         |                     |

|    |                                                                                                                          |                             |                                    |
|----|--------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------|
| 7  | <b>Bio Products</b>                                                                                                      | <b>Qty</b>                  | <b>Beneficiaries (nos.)</b>        |
|    | Bio Agents -Earth worm (Kg.)                                                                                             | -                           | -                                  |
|    | Trichoderma (kg.)                                                                                                        | -                           | -                                  |
|    | Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)                 | 800kg                       | 10                                 |
|    | Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)                                                             | -                           | -                                  |
| 8  | <b>Any other significant achievement in the Zone</b>                                                                     | <b>Nos.</b>                 | <b>Participants/ beneficiaries</b> |
|    | Award (Best KVK award and scientist and farmer's award)                                                                  | 10                          | 10                                 |
|    | Publications ( Res. Paper/ pop. Art./Bulletin,etc.)                                                                      | 08                          | 3500                               |
|    | KVK News letter                                                                                                          | 04                          | 2300                               |
|    | SAC Meetings conducted                                                                                                   | 01                          | 31                                 |
|    | Soil sample tested                                                                                                       | 1005                        | 1005                               |
|    | Water sample tested                                                                                                      | -                           | -                                  |
|    | RWH System (Special training and field visit on RWH structure and MIS in KVKs)                                           | -                           | -                                  |
|    | KVK-KMA (Message and beneficiaries)                                                                                      | 165                         | 915                                |
|    | Convergence programmes                                                                                                   | 05                          | 1125                               |
|    | Sponsored programmes                                                                                                     | 02                          | 50                                 |
|    | KVK Progressive Farmers interaction                                                                                      | 09                          | 973                                |
|    | No. of Technology Week Celebrations                                                                                      | 01                          | 265                                |
|    | Attended HRD activities organized by ZPD                                                                                 | 01                          | 01                                 |
|    | Attended HRD activities organized by DES                                                                                 | 08                          | 08                                 |
|    | Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. )                                  | 02                          | 02                                 |
| 9  | Current status of Revolving Funds ( Amt. In Rs.)                                                                         | 147516                      |                                    |
| 10 |                                                                                                                          | <b>No. of blocks</b>        | <b>No. of villages</b>             |
|    | Outreach of KVK in the District                                                                                          | 10                          | 39                                 |
| 11 |                                                                                                                          | <b>ICAR</b>                 | <b>SAU Others</b>                  |
|    | No. of important visitors to KVK (nos.)                                                                                  | 01                          | 02 02                              |
| 12 |                                                                                                                          | <b>Working (Yes/No)</b>     | <b>No. of Update</b>               |
|    | Status of KVK Website                                                                                                    | Yes                         | 08                                 |
| 13 |                                                                                                                          | <b>Application received</b> | <b>Application disposed</b>        |
|    | Status of RTI (nos.)                                                                                                     | -                           | -                                  |
| 14 |                                                                                                                          | <b>Query received</b>       | <b>Query dissolved</b>             |
|    | Citizen Charter (nos.)                                                                                                   | 763                         | 763                                |
| 15 |                                                                                                                          | <b>Working (Yes/No)</b>     | <b>No. of programme viewed</b>     |
|    | E-connectivity                                                                                                           | No                          | -                                  |
| 16 |                                                                                                                          | <b>Filled</b>               | <b>Vacant</b>                      |
|    | Staff Position                                                                                                           | 16                          | Nil                                |
| 17 | Workshop/ Seminar/ Conference attended by staff of KVK ( nos)                                                            | 10                          |                                    |
| 18 | Publication received from ICAR /other organization (nos.)                                                                | 03                          |                                    |
| 19 |                                                                                                                          | <b>Particulars</b>          | <b>Organization</b>                |
|    | Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. And ICAR) | 01                          | SAU & District Agril Deptt.        |

# GENERAL INFORMATION

## 7.11. 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 |
| Jajpur      | 16               | 01     | 01     | 06      | 06     | 03     | 03     | 06        | 06     | 16    | 16     |

| 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 |
|-------------|----------------------------|-----------------------------|------------------|---------------|----------------------------------------------|---------------|-------------|---------------|-------------|----------|
| Jajpur      | Programme Coordinator      | Dr.(Mrs) Tilottama Pattnaik | Home Science     | Ph.D          | Human Resource Development                   | 37400-67000   | 48,260      | 20.06.2012    | Permanent   | Others   |
| Jajpur      | Subject Matter Specialist1 | Mrs. Anita Mohanty          | Horticulture     | M.Sc .Ag      | Horticulture                                 | 15,600-39,100 | 20,590      | 19.07.2006    | Contractual | Others   |
| Jajpur      | Subject Matter Specialist2 | Mrs. Dharitri Patra         | Women Agril.     | M.Sc .Ag      | Women Agril.                                 | 15,600-39,100 | 20,590      | 27.06.2007    | Contractual | Others   |
| Jajpur      | Subject Matter Specialist3 | Mr Bijay Ku.Routray         | Plant protection | M.Sc .Ag      | Plant protection                             | 15,600-39,100 | 19,810      | 08.08.2011    | Contractual | Others   |
| Jajpur      | Subject Matter Specialist4 | Mrs Bijayalaxmi Mohanta     | Ag.Engg          | M.Tech        | Post harvest processing and food Engineering | 15,600-39,100 | 17,610      | 12.04.2012    | Contractual | Others   |
| Jajpur      | Subject Matter Specialist5 | Mr. Subhasis Dash           | Soil Science     | M.Sc. Ag      | Soil science                                 | 15,600-39,100 | 18,320      | 11.06.2013    | Contractual | Others   |
| Jajpur      | Subject Matter Specialist6 | Smt . Pramila Naik          | Agronomy         | M.Sc .Ag      | Agronomy                                     | 15,600-39,100 | 20,590      | 17.01.2013    | Contractual | SC       |
| Jajpur      | Programme Assistant        | Dr. Prabhat Kumar Padhi     | Vety.Sc          | MVSc          | Vety Pharm.&                                 | 9300-34,800   | 9,300       | 01.08.2012    | Contractual | Others   |

| 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 |
|---------------|-----------------------------|---------------------------|------------|------------------|--------------------------|--------------|-------------|---------------|-------------|----------|
|               |                             |                           |            |                  | Toxic.                   |              |             |               |             |          |
| <b>Jajpur</b> | Farm Manager                | Mr. Bipra Charan Swain    | Agronomy   | M.Sc. Ag         | Agronomy                 | 9300-34,800  | 10,130      | 23.07.2013    | Contractual | Other    |
| <b>Jajpur</b> | Computer Programmer         | Mrs. Puspanjali Mishra    | Computer   | DOEACC A level   | Computer                 | 9300-34,800  | 12,430      | 23.02.2008    | Contractual | Others   |
| <b>Jajpur</b> | Accountant / superintendent | Mr. Pradip Kumar Mangaraj | Accountant | B.A              |                          | 9300-34,800  | 12,930      | 07.03.2014    | Permanent   | Others   |
| <b>Jajpur</b> | Stenographer                | Mr. Trupti Ranjan Barik   | Steno      | B.Sc             | Computer                 | 5200-20,200  | 6,980       | 29.06.2012    | Contractual | Others   |
| <b>Jajpur</b> | Driver                      | Mr. Sanjay Kumar Panda    | -          | 10 <sup>th</sup> | -                        | 5200-20,200  | 6,350       | 30.07.2008    | Contractual | Others   |
| <b>Jajpur</b> | Driver                      | Mamtaz Alli Khan          | -          | 10 <sup>th</sup> | -                        | 5200-20,200  | 6,110       | 08.07.2013    | Contractual | SC       |
| <b>Jajpur</b> | Supporting staff            | Mr. Lachhman Swain        | -          | -                | -                        | 4,440-14,680 | 5,580       | 27.09.2013    | Contractual | Others   |
| <b>Jajpur</b> | Supporting staff            | Mr Akshaya Kumar Swain    | -          | -                | -                        | 4,440-14,680 | 5,180       | 28.07.2008    | Contractual | Others   |

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

| KVK Name | Agro-climatic zone               | No . of Blocks | No. of Panchayats | Population | Literacy | SC and ST Population | No. of farmers | Average land holding |
|----------|----------------------------------|----------------|-------------------|------------|----------|----------------------|----------------|----------------------|
| Jajpur   | North Eastern coastal plain zone | 10             | 280               | 18,26,000  | 80.44    | 499502               | 135485         | 1.12ha               |

**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) |
|----------|---------------------|------------------|--------------------|-------------------|------------|------------------------------------------------|
| Jajpur   | Kuransa             | 2011             | Rasulpur           | 21                | 505        | 82                                             |
| Jajpur   | <b>Bhubana</b>      | <b>2012</b>      | <b>Dharmashala</b> | <b>17</b>         | <b>475</b> | <b>80</b>                                      |
| Jajpur   | <b>Rambhadeipur</b> | <b>2012</b>      | <b>Badachana</b>   | <b>17</b>         | <b>453</b> | <b>81</b>                                      |
| Jajpur   | <b>Badasila</b>     | <b>2012</b>      | <b>Badachana</b>   | <b>15</b>         | <b>495</b> | <b>80</b>                                      |
| Jajpur   | <b>Dhanajaypur</b>  | <b>2013</b>      | <b>Danagadi</b>    | <b>55</b>         | <b>473</b> | <b>90</b>                                      |

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

| KVK Name | THRUST AREA                                                                                      |
|----------|--------------------------------------------------------------------------------------------------|
| Jajpur   | Varietal substitution in field and horticultural crops.                                          |
| Jajpur   | Off-season vegetable cultivation.                                                                |
| Jajpur   | Popularization of energy rich, high value and cash crops.                                        |
| Jajpur   | Commercial cultivation of fruit, flowers, medicinal and aromatic crops.                          |
| Jajpur   | Production of quality seed and planting materials in different major crops of the district.      |
| Jajpur   | Improved crop management practices in cereals, pulses, vegetables and cash crops.                |
| Jajpur   | Post harvest technology and value addition of cereals, pulses, oil seeds, vegetables and fruits. |
| Jajpur   | Farm resource management.                                                                        |
| Jajpur   | Insect pest disease management.                                                                  |
| Jajpur   | Drudgery reduction through use of farm implements.                                               |
| Jajpur   | Creating avenues for self employment through entrepreneurship development.                       |
| Jajpur   | Family food and nutritional security.                                                            |
| Jajpur   | Production and management of organic input.                                                      |
| Jajpur   | Farm mechanization                                                                               |
| Jajpur   | Soil and water conservation.                                                                     |
| Jajpur   | Disaster management                                                                              |

|        |                                               |
|--------|-----------------------------------------------|
| Jajpur | Protected cultivation and precession farming. |
| Jajpur | Poultry, duckery, goatery and dairy farming.  |

#### 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 |
|----------|---------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|
| Jajpur   | Detoriation of existing varieties used by the farmers in field and horticultural crops      | PRA survey & group discussion     | Rambhadeipur-Badachana           |
| Jajpur   | Distress sale of seasonal vegetables                                                        | PRA survey & group discussion     | Kuransa – Rasulpur               |
| Jajpur   | Less production from traditional field & vegetable crops                                    | PRA survey & group discussion     | Badasila-Badachana               |
| Jajpur   | Traditional farming gives low farm income                                                   | PRA survey & group discussion     | Niladeipur – Dharmsala           |
| Jajpur   | Unavailability of quality seed and planting materials                                       | PRA survey & group discussion     | Bhuban-Dharmsala                 |
| Jajpur   | Lack of proper crop management practice in field, vegetable and pulses and other cash crops | PRA survey & group discussion     | Kuransa – Rasulpur               |
| Jajpur   | Loss of food grain due to lack of post harvest management                                   | PRA survey & group discussion     | Badasila – Badachana             |
| Jajpur   | Improper farm resource management                                                           | PRA survey & group discussion     | Rambhadeipur – Badachana         |
| Jajpur   | Lack of knowledge on integrated pest and disease management                                 | PRA survey & group discussion     | Rambhadeipur – Badachana         |
| Jajpur   | Ignorance of latest farm technology increase the drudgery of farm women                     | PRA survey & group discussion     | Kuransa – Rasulpur               |
| Jajpur   | Unemployment problem of rural youth                                                         | PRA survey & group discussion     | Dhananjaypur – Danagadi          |
| Jajpur   | Food and nutritional insecurity of farm families                                            | PRA survey & group discussion     | Dhananjaypur – Danagadi          |
| Jajpur   | Limited farm mechanization                                                                  | PRA survey & group discussion     | Badasila-Badachana               |

|               |                                                  |                               |                                    |
|---------------|--------------------------------------------------|-------------------------------|------------------------------------|
| <b>Jajpur</b> | Lack of knowledge on soil and water conservation | PRA survey & group discussion | <b>Dhananjaypur –<br/>Danagadi</b> |
|---------------|--------------------------------------------------|-------------------------------|------------------------------------|

## 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 <sub>1</sub> ) | RP (T <sub>2</sub> ) | FP (T <sub>1</sub> ) | RP (T <sub>2</sub> ) |                                                                                                                      |
| Jajpur   | 2013 | Kharif | Low yield due to old variety Lalat | Assessment of paddy variety "Hiranyamayee" | Assessment                                     | Varietal 10ecortocat | Paddy             | Medium             | 13            | 36.2                 | 45.5                 | 15950                | 27575                | High yielding variety hiranmayee performed well with increased in yield by 25%. It is resistant to lodging & possess |

|        |      |        |                                                    |                                                 |            |     |           |        |    |      |      |       |       |                                                                                                                                                                                       |
|--------|------|--------|----------------------------------------------------|-------------------------------------------------|------------|-----|-----------|--------|----|------|------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |      |        |                                                    |                                                 |            |     |           |        |    |      |      |       |       | moderate fertilizer response & suitable recommendation for both irrigated & rainfed medium land.                                                                                      |
| Jajpur | 2013 | Kharif | Low yield due to imbalanced nutrition in groundnut | Assessment of sulphur application in groundnut. | Assessment | INM | Groundnut | Medium | 13 | 13.5 | 15.6 | 23900 | 31400 | Sulphur application to groundnut in the form of Gypsum@ 250kg /ha as basal under optimum soil moisture condition along with fertilizer levels of 20:40:40 kg NPK/ha boosts up the pod |

|        |       |      |                                                          |                                                       |            |               |              |            |    |       |     |       |            |                                                                                                                            |
|--------|-------|------|----------------------------------------------------------|-------------------------------------------------------|------------|---------------|--------------|------------|----|-------|-----|-------|------------|----------------------------------------------------------------------------------------------------------------------------|
|        |       |      |                                                          |                                                       |            |               |              |            |    |       |     |       |            | yield& quality of groundnut by about 15.5% .                                                                               |
| Jajpur | 13-14 | Rabi | Soil degradation due to mono cropping                    | Assessment of Maize+Cowpea (2:1) inter crop system    | Assessment | ICM           | Maize+Cowpea | Upland     | 13 | Cont. |     |       | Rabi-13-14 |                                                                                                                            |
| Jajpur | 13-14 | Rabi | Low yield of cauliflower due to deficiency of Molybdenum | Assessment of Molybdenum application in Cauliflower.. | Assessment | INM           | Calliflower  | Mediumland | 13 | 246   | 284 | 47100 | 79500      | Soil application of sodium molybdate @1kg /ha in cauliflower increases the yield 15.44% and improve the quality of fruits. |
| Jajpur | 13-14 | Rabi | Lack of knowledge                                        | Assessment of Capsicum var.                           | Assessment | Production of | capsicum     | medium     | 13 | 125   | 250 | 68580 | 107616     | Recommended                                                                                                                |

|        |       |        |                                                                                     |                                                                  |            |                            |                    |        |    |            |      |       |       |                                                               |
|--------|-------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------------------|------------|----------------------------|--------------------|--------|----|------------|------|-------|-------|---------------------------------------------------------------|
|        |       |        | on high value and low volume crops and improved cultivation practices               | California wonder                                                |            | High value crop            |                    |        |    |            |      |       |       | varieties in proper time should be practiced                  |
| Jajpur | 13-14 | Rabi   | Indiscriminate use of fertilizer leads to low yield and high cost of cultivation    | Assessment of INM in Okra                                        | Assessment | INM                        | Okra               | medium | 13 | 150        | 200  | 34427 | 58950 | Timely and recommended dose of fertilizer should be practiced |
| Jajpur | 2014  | Rabi   | Purchasing unidentified var. Seedling resulted poor crop, seedling cost is too high | Assessment of Nursery raising under low cost protected structure | Assessment | Crop production management | Vegetable seedling | upland | 2  | Continuing | -    | -     | -     |                                                               |
| Jajpur | 2013  | Kharif | Proper land preparation is not done by using tractor drawn nine tyne cultivator     | Assessment of performance of tractor drawn rotavator             | Assessment | Farm mechanization         | Paddy              | Medium | 13 | 42.3       | 44.9 | 26455 | 31205 | Tractor drawn rotavator reduced the cost of puddling          |
| Jajpur | 2013  | Kharif | Manual weeding in                                                                   | Assessment of performance of                                     | Assessment | Farm mechanization         | Paddy              | Medium | 13 | 42.8       | 43.4 | 25140 | 27790 | Power paddy                                                   |

|        |         |        |                                                                                  |                                                                                        |            |                    |            |                  |    |            |       |       |       |                                                                                               |
|--------|---------|--------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------|--------------------|------------|------------------|----|------------|-------|-------|-------|-----------------------------------------------------------------------------------------------|
|        |         |        | rice is cost intensive due to labour scarcity and high wages ,                   | power paddy weeder                                                                     |            | zation             |            |                  |    |            |       |       |       | weeder is easy to operate and it also reduced the time of weeding                             |
| Jajpur | 2013-14 | Rabi   | Broadcasting of green gram leads to an even plant population which reduces yield | Assessment of performance of seed cum fertilizer drill in green gram                   | Assessment | Farm mechanization | Green gram | Medium           | 13 | 6.4        | 7.6   | 9500  | 14000 | Before operating seed cum fertilizer drill the land should be properly prepared by rotavator  |
| Jajpur | 2013-14 | Rabi   | Scarcity of water for timely irrigation                                          | Assessment of performance of drip irrigation in banana                                 | Assessment | Micro irrigation   | Banana     | Irrigated upland | 3  | continuing |       |       |       |                                                                                               |
| Jajpur | 2013    | Kharif | Heavy pest attack on paddy causes low yield                                      | Assessment of Integrated management practices to control of yellow Stem Borer in Paddy | Assessment | IPM                | Paddy      | Medium land      | 13 | 38.9       | 45.3  | 21680 | 26330 | Integrated management of Stem borer is easily handled, cost effective & acceptable by farmers |
| Jajpur | 2013    | Kharif | Yield                                                                            | Assessment of                                                                          | Assessment | IDM                | Chili      | Medium           | 13 | 85.3       | 110.8 | 62520 | 97250 | Integrated                                                                                    |

|        |         |        |                                                  |                                                                                                                                 |            |     |          |                               |                     |                                                        |                                                                   |                                   |                                   |                                                                                                       |
|--------|---------|--------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|-----|----------|-------------------------------|---------------------|--------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------|
|        |         |        | losses due to heavy disease incidence            | IDM practices for control of leaf curling in chili                                                                              |            |     |          | m land                        |                     |                                                        |                                                                   |                                   |                                   | Disease management practices manage wilting incidences in brinjal                                     |
| Jajpur | 2013-14 | Rabi   | Low yield due to high disease infestation        | Assessment of integrated disease management with spraying (Tricyclozole + Propiconazole) 52.5 SC against Sheath blight in Paddy | Assessment | IDM | Paddy    | Medium land                   | 13                  | Continue...                                            |                                                                   |                                   |                                   |                                                                                                       |
| Jajpur | 2013-14 | Rabi   | yield loss due to heavy white fly infestation    | Assessment of integrated management practices with spraying of Beta-cyfluthrin against whitefly in Okra                         | IPM        | IPM | Okra     | Medium land                   | 13                  | 105.3                                                  | 121.5                                                             | 91030                             | 112120                            | Spraying of Beta – cyfluthrin against whitefly in Okra performs good and easily acceptable by farmers |
| Jajpur | 2013    | Kharif | Low birth weight and high mortality rate in kids | Effect of balanced feeding in pregnant and lactating does.                                                                      | Assessment | LPM | Goat ary | Semi intensive goat husbandry | 12 (26 no of goats) | Weight at birth 1.6 kg<br>Morbidity rate 36%<br>Weight | Weight at birth 1.9 kg<br>Morbidity rate 14%<br>Weight at weaning | Rs 1500 / surviving kids in flock | Rs 2300 / surviving kids in flock | Addition of 100gm of feed in ration in lean season.<br>De worming                                     |

|        |         |      |                                                     |                                                                                           |            |     |         |                                |             |                                                  |                                                 |                         |                          |                                     |
|--------|---------|------|-----------------------------------------------------|-------------------------------------------------------------------------------------------|------------|-----|---------|--------------------------------|-------------|--------------------------------------------------|-------------------------------------------------|-------------------------|--------------------------|-------------------------------------|
|        |         |      |                                                     |                                                                                           |            |     |         |                                |             | at weaning<br>2.3kg                              | 2.8 kg                                          |                         |                          | around parturition with closantel.  |
| Jajpur | 2013-14 | Rabi | Higher incidence of diseases due to climatic stress | Assessment of scientific rearing practices on poultry diseases caused by climatic stress. | Assessment | LPM | Poultry | Small scale poultry production | 13 (130 no) | Disease incidence rate 60%<br>Mortality rate 60% | Disease incidence rate 20%<br>Mortality rate 5% | Rs 400 / 10 adult birds | Rs 1350 / 10 adult birds | Fowl pox vaccination during January |

|        |         |      |                                           |                                           |            |     |         |                                |             |                                                                |                                                  |                   |                   |                                                                                             |
|--------|---------|------|-------------------------------------------|-------------------------------------------|------------|-----|---------|--------------------------------|-------------|----------------------------------------------------------------|--------------------------------------------------|-------------------|-------------------|---------------------------------------------------------------------------------------------|
| Jajpur | 2013-14 | Rabi | Poor growth rate of desi type(Moti) ducks | Evaluation of meat type duck, White Pekin | Assessment | LPM | Duckery | Small scale poultry production | 13 (130 no) | Weight 250 gms after 1 month<br>Weight 1000 gms after 2 months | 600 gms after 1 month<br>1800 gms after 2 months | Rs 250 / 10 ducks | Rs 700 / 10 ducks | Developed ducks instead of day old ducklings to reduce impact of mortality in early phases. |
|--------|---------|------|-------------------------------------------|-------------------------------------------|------------|-----|---------|--------------------------------|-------------|----------------------------------------------------------------|--------------------------------------------------|-------------------|-------------------|---------------------------------------------------------------------------------------------|

## 2.2 Economic Performance

| KV<br>K<br>nam<br>e | 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 <sub>1</sub> ) | RP (T <sub>2</sub> ) | FP (T <sub>1</sub> )                | RP (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | FP (T <sub>1</sub> )         | RP (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | FP (T <sub>1</sub> )       | RP(T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | FP (T <sub>1</sub> )                           | RP (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) |
| Jajpur              | Assessment of paddy variety “Hiranyam ayee”     | Yield (q/ha) , EBT /sqmt , 1000 grain weight(g m), | 36.2<br>208<br>22.2  | 45.5<br>245<br>23.3  | 29300                               | 29300                |                                            | 45250                        | 56875                |                                            | 15950                      | 27575               |                                            | 1.5                                            | 1.9                  |                                            |
| Jajpur              | Assessment of Sulphur application in Groundnut. | Yield(q/ha)<br>No of pods/plant,                   | 13.5<br>14           | 15.6<br>17           | 30100                               | 31000                |                                            | 54000                        | 62400                |                                            | 23900                      | 31400               |                                            | 1.79                                           | 2.01                 |                                            |
| Jajpur              | Assessment of Maize +                           | MEY,                                               | Continue             |                      |                                     |                      |                                            |                              |                      |                                            |                            |                     |                                            |                                                |                      |                                            |

|               |                                                                  |                                                      |                     |                       |       |       |     |        |        |     |       |        |     |      |             |           |
|---------------|------------------------------------------------------------------|------------------------------------------------------|---------------------|-----------------------|-------|-------|-----|--------|--------|-----|-------|--------|-----|------|-------------|-----------|
|               | Cowpea(2:1) inter crop system.                                   |                                                      |                     |                       |       |       |     |        |        |     |       |        |     |      |             |           |
| <b>Jajpur</b> | Assessment of Molybdenum application in Cauliflower.             | Yield,(q/ha)<br>curd weight (gm). BC Ratio           | 246750              | 284875                | 51300 | 62500 |     | 98400  | 142000 |     | 47100 | 79500  |     | 1.9  | 2.27        |           |
| <b>Jajpur</b> | Assessment of Capsicum var. California wonder                    | Yield,(q/ha)<br>Wt. Of fruit , no.of fruits/plant,   | 125<br>120-140g 8-9 | 150<br>150-170g 10-12 | 87923 | 91200 | N A | 156503 | 198816 | N A | 68580 | 107616 | N A | 1.78 | <b>2.18</b> | <b>NA</b> |
| <b>Jajpur</b> | Assessment of INM in Okra                                        | Yield,(q/ha)<br>Size . of fruit , no.of fruits/plant | 150<br>11<br>41     | 200<br>15<br>64       | 64956 | 78600 | N A | 99383  | 137550 | N A | 34427 | 58950  | N A | 1.53 | 1.75        | <b>NA</b> |
| <b>Jajpur</b> | Assessment of Nursery raising under low cost protected structure | Number of seedlings season wise, Net return,         | Cotinuinig          | -                     | -     | -     | -   |        | -      | -   | -     | -      | -   | -    | -           | -         |

|               |                                                                     |                                                                  |                                  |                                              |       |       |   |       |       |  |       |       |   |      |      |  |
|---------------|---------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------|----------------------------------------------|-------|-------|---|-------|-------|--|-------|-------|---|------|------|--|
|               |                                                                     | B:C ratio                                                        |                                  |                                              |       |       |   |       |       |  |       |       |   |      |      |  |
| <b>Jajpur</b> | Assessment of performance of tractor drawn rotavator                | Field capacity<br><br>Puddling index<br><br>Time saving          | 0.4ha/hr<br>51.4%                | 0.4 ha/hr<br>60.3%<br><br>5.5hr/ha           | 26420 | 24920 | - | 52875 | 56125 |  | 26455 | 31205 | - | 2.0  | 2.25 |  |
| <b>Jajpur</b> | Assessment of performance of power paddy weeder                     | Field capacity<br><br>Cost of weeding<br><br>Labour saving       | 0.08ha/hr<br><br>Rs 1200/ha      | 0.1ha/hr<br><br>Rs 500/ha<br><br>7mandays/ha | 28360 | 26460 |   | 53500 | 54250 |  | 25140 | 27790 |   | 1.89 | 2.05 |  |
| <b>Jajpur</b> | Assessment of performance of seed cum fertilizer drill in greengram | Field capacity<br><br>Cost of operation<br><br>no of plant/sq mt | 0.25ha/hr<br><br>Rs 200/ha<br>52 | 0.55 ha/hr<br><br>Rs 900/ha<br>33            |       |       |   |       |       |  |       |       |   |      |      |  |
| <b>Jajpur</b> | Assessment                                                          | Weed                                                             |                                  | continues                                    |       |       |   |       |       |  |       |       |   |      |      |  |

| ur     | of performance of drip irrigation in banana                                                                      | infestation<br>Water used efficiency                 |                 | ing |       |       |     |        |        |     |       |       |     |      |     |    |
|--------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------|-----|-------|-------|-----|--------|--------|-----|-------|-------|-----|------|-----|----|
| Jajpur | Assessment of Integrated management practice to control of yellow Stem Borer in Paddy                            | BC ratio, cost of cultivation, pest infestation %    | 16%             | 7%  | 28890 | 32560 | N A | 50570  | 58890  | N A | 21680 | 26330 | N A | 1.7  | 1.8 | NA |
| Jajpur | Assessment of IDM practices for control of leaf curling in chilli                                                | BC ratio, cost of cultivation, curling %             | 15%             | 6%  | 65430 | 68950 | N A | 127950 | 166200 | N A | 62520 | 97250 | N A | 1.96 | 2.4 | NA |
| Jajpur | Assessment of integrated disease management with spraying (Tricyclozole + Propiconazole ) 52.5 SC against Sheath | BC ratio, cost of cultivation, disease infestation % | CONTINUE<br>... | -   | -     | -     | -   | -      | -      | -   | -     | -     | -   | -    | -   | -  |

|        |                                                                                                           |                                                                           |                                           |                                 |                           |                           |     |                             |                               |     |       |        |     |      |      |   |
|--------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------|---------------------------|-----|-----------------------------|-------------------------------|-----|-------|--------|-----|------|------|---|
|        | blight in Paddy                                                                                           |                                                                           |                                           |                                 |                           |                           |     |                             |                               |     |       |        |     |      |      |   |
| Jajpur | Assessment of integrated management practices with spraying of Beta – cyfluthrin against whitefly in Okra | BC ratio, cost of cultivation, white fly infestation %age                 | 18                                        | 5                               | 66920                     | 70,130                    | N A | 157950                      | 182250                        | N A | 91030 | 112120 | N A | 2.4  | 2.6  |   |
| Jajpur | Effect of balanced feeding to pregnant and lactating does.                                                | Body weight at birth<br><br>Body weight at weaning.<br><br>Morbidity rate | 1.6 kg<br><br>2.3 kg<br><br>36%           | 1.9 kg<br><br>2.8 kg<br><br>14% | Rs 550 / 2 does / 45 days | Rs 750 / 2 does / 45 days | N A | Rs1800 for 3 surviving kids | Rs 2800 for 4 surviving kids- | N A | 1500  | 2300   | -   | 3.27 | 3.73 | - |
| Jajpur | Assessment of scientific rearing practices on poultry diseases caused by climatic stress.                 | Disease incidence .<br><br>Morbidity rate.                                | RD in 40% units<br>FP in 20% units<br>60% | 0% units<br><br>Less than 5%    | Rs 600 / 10 birds         | Rs 650/10 birds           | -   | 1000 per 10 birds           | 2000 per 10 birds             | -   | 400   | 1350   | -   | 1.66 | 3.07 |   |

|        |                                           |                                       |                                                             |                                                             |                     |                     |   |                            |                           |   |     |     |   |     |      |  |
|--------|-------------------------------------------|---------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------|---------------------|---|----------------------------|---------------------------|---|-----|-----|---|-----|------|--|
|        |                                           |                                       |                                                             |                                                             |                     |                     |   |                            |                           |   |     |     |   |     |      |  |
| Jajpur | Evaluation of meat type duck, White Pekin | Body weight gain<br>Disease incidence | 250 gms in 1 month<br>1000 gms in 2 months<br>30% morbidity | 600 gms in 1 month<br>1800 gms in 2 months<br>10% morbidity | Rs 250 per 10 birds | Rs 600 per 10 birds | - | Rs500 per flock (10 birds) | 1300 per flock (10 birds) | - | 250 | 700 | - | 2.0 | 2.16 |  |

#### 7.12. 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                                     |
|----------|------|--------|------------------------------------------------------------|-----------------------------|------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|-----------------------------------------------------|
| Jajpur   | 2013 | Kharif | Lack of knowledge and skill on value addition of groundnut | Assessment of Peanut Butter | Assessment                                     | Value addition | Roasting of cleaned peanut kernel to remove red skin The kernels are ground in grinding machine with addition of hydrogenated vegetable oil at 5% level and | Crunchy in taste with brownish colour. Peanut butter (1 serving(16gm) contains Zero cholesterol, 23ecortications23 fat (3.79g),Poly 23ecorticati fat(2.21) fiber, (1g)protein, (4.01)and a good | Enterprise                     | 13            | Good nutritive value and can be stored for 5 months |

|        |       |        |                                                                                        |                                                                   |            |                    |                                                                                                                                                                        |                                                                                                                                                                                                       |            |    |                                                                                  |
|--------|-------|--------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----|----------------------------------------------------------------------------------|
|        |       |        |                                                                                        |                                                                   |            |                    | salt at 2% level to a smooth fine paste                                                                                                                                | number of vitamin-B and Vitamin-E (16%) and minerals.                                                                                                                                                 |            |    |                                                                                  |
| Jajpur | 2013  | Kharif | Low egg laying capacity of country bird.                                               | Assessment of Blackrock poultry in semi intensive system          | Assessment | Income generation. | They are predominantly black with golden-brown colouring around the neck. Black Rocks are good layers, providing between 180 and 230 eggs per year in ideal conditions | The Black Rock will produce 180+ brown eggs in the first year and persistently good throughout lay. Egg shell quality and colour are continually good throughout life, which means more grade A eggs. | Enterprise | 13 | Growth rate is rapid<br>FCR is 2.7                                               |
| Jajpur | 13-14 | Rabi   | Low yield from <i>P.sajarcaju</i> due ring later part of winter due to low temperature | Assessment of Oyster Mushroom <i>Hypsizygous ulmarius</i>         | Assessment | Income generation. | Cutting of straw into 2inch, soaking for 8-10 hr, and 24ecortication, spawning of mushroom bed in alternate with straw upto 21 inches in 3 layers                      | Bluish grey in colour, Average fruit body weight 31 gm<br>Biological efficiency 103% with fleshy in taste                                                                                             | Enterprise | 13 | Average fruit size is 8.5 cm 46gm in weight and fleshy in nature                 |
| Jajpur | 13-14 | Rabi   | Planting of sugarcane is a drudgery prone activity and                                 | Assessment of Drudgery reduction of farm women by using sugarcane | Assessment | Drudgery reduction | <b>It removes the buds from the node of the sugarcane and minimises the time ,money</b>                                                                                | <b>Field capacity 250 buds /hr. seed cost 3qtl/ha</b>                                                                                                                                                 | Farming    | 13 | Reduction of drudgery of farm women in terms of timespent and energy expenditure |

|  |  |  |                                          |            |  |  |                            |  |  |  |  |
|--|--|--|------------------------------------------|------------|--|--|----------------------------|--|--|--|--|
|  |  |  | more seed material is required, 30qtl/ha | budchipper |  |  | and also seed cost 3qtl/ha |  |  |  |  |
|--|--|--|------------------------------------------|------------|--|--|----------------------------|--|--|--|--|

### 7.13. Economic Performance Home Science OFT:

| KV<br>K<br>na<br>me | OFT<br>Title                                                                           | Performance Indicator / Parameter |    |                                              |    |                 |    |                                       |    |                                        |    |                                                                  |                                                                   |                  |              |                        |               |                  |    |               |               |                     |                           |
|---------------------|----------------------------------------------------------------------------------------|-----------------------------------|----|----------------------------------------------|----|-----------------|----|---------------------------------------|----|----------------------------------------|----|------------------------------------------------------------------|-------------------------------------------------------------------|------------------|--------------|------------------------|---------------|------------------|----|---------------|---------------|---------------------|---------------------------|
|                     |                                                                                        | Output<br>m2/h                    |    | Est.<br>Energy<br>Expendi<br>ture<br>kj/min. |    | WHR<br>beat/min |    | %<br>reductio<br>n in<br>drudger<br>y |    | %<br>increa<br>se in<br>efficie<br>ncy |    | Productio<br>n per unit                                          |                                                                   | Cost of<br>input |              | Increment<br>al income |               | Yield(Kg<br>/ha) |    | Net Return    |               | Savi<br>ng in<br>Rs | BC<br>ratio               |
|                     |                                                                                        | T1                                | T2 | T1                                           | T2 | T1              | T2 | T1                                    | T2 | T1                                     | T2 | T1                                                               | T2                                                                | T1               | T2           | T1                     | T2            | T1               | T2 | T1            | T2            |                     |                           |
| Jaj<br>pur          | Assessm<br>ent of<br>Peanut<br>Butter                                                  | -                                 | -  | -                                            | -  | -               | -  | -                                     | -  | -                                      | -  | 10k<br>g<br>pea<br>nut                                           | 9.1k<br>g<br>Pea<br>nut<br>butt<br>er                             | 200/-            | 1050/-       | 500                    | 3640          | -                | -  | 300           | 2590          | 2290                | T1-<br>2.5<br>T2-<br>3.46 |
| Jaj<br>pur          | Assess<br>ment<br>of<br>Blackr<br>ock<br>poultry<br>in semi<br>intensi<br>ve<br>system | -                                 | -  | -                                            | -  | -               | -  | -                                     | -  | -                                      | -  | Body<br>weig<br>ht<br><br>7.5<br>kg/<br>10<br>nos<br>of<br>birds | Body<br>weig<br>ht<br><br>33.0<br>kg/<br>10<br>nos<br>of<br>birds | 400/<br>unit     | 700/u<br>nit | 2300<br>/unit          | 4950/<br>unit |                  |    | 2100/<br>unit | 4250/<br>unit | 2150                | T1-<br>5.75<br>T2-<br>7.0 |
| Jaj<br>pur          | Assess<br>ment of<br>Oyster<br>Mushro                                                  | -                                 | -  | -                                            | -  | -               | -  | -                                     | -  | -                                      | -  | 20k<br>g<br>/10<br>bed                                           | 28.5<br>kg<br>/10<br>bed                                          | 400/<br>unit     | 400/u<br>nit | 1200<br>/unit          | 2010<br>/unit | --               | -- | 800/u<br>nit  | 1610/<br>Unit | 810                 | T1-<br>3.0<br>T2-<br>5.02 |

|        |                                                                                |                                                      |                                                 |       |      |           |           |                       |  |  |  |    |    |    |    |    |    |    |    |    |  |  |
|--------|--------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------|-------|------|-----------|-----------|-----------------------|--|--|--|----|----|----|----|----|----|----|----|----|--|--|
|        | om<br><i>Hypsizy<br/>gous<br/>ulmariu<br/>s</i>                                |                                                      |                                                 |       |      |           |           |                       |  |  |  |    |    |    |    |    |    |    |    |    |  |  |
| Jajpur | Assessment of Drudger y reduction of farm women by using sugarcane budchip per | Seed rate 30qtl/acre 500 00 sets /acre 25man days/ha | Seed rate 3qtl/acre 5000 Buds/acre 5man days/ha | 11.47 | 7.49 | 127 b/min | 102 b/min | 34% Interms Of Energy |  |  |  | -- | -- | -- | -- | -- | -- | -- | -- | -- |  |  |

## 2.5 Feedback from KVK to Research System

| Name of KVK | Feedback                                                                                                                                                                                                  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jajpur      | Tractor drawn rotavator is a good puddling implements, The puddling index is higher than a single pass.                                                                                                   |
| Jajpur      | Power paddy weeder is very useful implements for weeding operation due to unavailability of labour.                                                                                                       |
| Jajpur      | Integrated management practices for management of Yellow stem borer in Paddy controls the stem borer infestation upto 95% and it is cost effective but farmers are not easily accepting the technology.   |
| Jajpur      | Growth rate and feed consumption of white pekin too high to be fit for backyard rearing. Ducks with moderate growth and as attractive as white pekin is preferred by farmers.                             |
| Jajpur      | Exploration of the possibility of development of combined Fowl Pox- Ranikhet disease vaccine as these two diseases were found to be occurring at the time of transition of climate from winter to summer. |
| Jajpur      | Peanut Butter contains more nutritive value and can be stored for 5 months                                                                                                                                |
| Jajpur      | Growth rate of Blackrork is better than the local bird.Eggs visibly bigger as compared to desi birds, FCR is 2.7                                                                                          |
| Jajpur      | <i>Hypsizygus ulmarius</i> (Blue mushroom ) gives good yield but the spawn is not available locally                                                                                                       |

|               |                                                                                                                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Jajpur</b> | High yielding variety Hiranyamayee performed well with increase in yield by 25%. It is resistant to water lodging & possesses moderate fertilizer response & suitable for both irrigated and rainfed medium land.                    |
| <b>Jajpur</b> | Sulphur application to groundnut in the form of gypsum @ 250kg/ha as basal under optimum soil moisture condition along with fertilizer levels of 20:40:40 kg N:P:K/ha boosts up the pod yield & quality of groundnut by about 15.5%. |
| <b>Jajpur</b> | Soil application of sodium molybdate @ 1kg/ha in tomato increase the fruit yield.                                                                                                                                                    |

### 3. Achievements of Frontline Demonstrations

#### 3.1. Follow-up for results of FLDs implemented during previous years 2012-2013

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 |
| Jajpur   | Marigold        | Flower production   | Cultivation of marigold var. Seracule after treatment in proper management practices.   | Training (F&FW) field day media coverage                            | 4                               | 20             | 4          |
| Jajpur   | Chilli          | Varietal evaluation | Cultivation of chilli variety Utkal Rashmi which is tolerant to mite, thrips and borer. | Training (F&FW) field day media coverage                            | 6                               | 50             | 9          |
| Jajpur   | Bitterguard     | Varietal evaluation | Cultivation of bitterguard variety Nakhara improved                                     | Training (F&FW) field day media coverage                            | 5                               | 62             | 11         |
| Jajpur   | Tomato          | INM                 | Seedling rooted deep in Azosprillum (1kg/5lit and RDF (125-50-100kg NPK kg/ha in tomato | Training (F&FW) Media coverage                                      | 7                               | 48             | 51         |
| Jajpur   | Paddy           | Farm Mechanisation  | Demonstration on use of axial flow thresher                                             | Demonstration and training                                          | 5                               | 20             |            |
| Jajpur   | Paddy           | Farm Mechanisation  | Demonstration on use of vertical conveyor Reaper                                        | Demonstration and training                                          | 12                              | 50             | 40         |
| Jajpur   | Paddy           | Farm Mechanisation  | Demonstration on use of drum seeder                                                     | Demonstration and training                                          | 6                               | 25             | 50         |

|        |              |                    |                                                 |                                         |    |     |                  |
|--------|--------------|--------------------|-------------------------------------------------|-----------------------------------------|----|-----|------------------|
| Jajpur | Paddy        | Farm Mechanisaiton | Demonstration on use of bullock drawn puddler   | Demonstration and training              | 10 | 40  | 30               |
| Jajpur | Sugarcane    | IPM                | Integrated management of sugar cane shoot borer | Demonstration training group meeting    | 15 | 315 | 225              |
| Jajpur | Brinjal      | IDM                | Management of wilting in brinjal                | Demonstration on training group meeting | 10 | 65  | 45               |
| Jajpur | Paddy        | IPM                | Management of sheath rot in paddy               | Demonstration on training group meeting | 21 | 155 | 319              |
| Jajpur | Bitter gourd | IPM                | Management of whitefly in bitterguard           | Demonstration on training group meeting | 11 | 115 | 32               |
| Jajpur | Enterprise   | Income generation  | Backyard poultry Banaraja                       | Training, Demonstrations                | 7  | 41  | 3000birds        |
| Jajpur | Enterprise   | Income generation  | Oyster mushroom Var-P.florida                   | Training, Demonstrations                | 21 | 120 | 15000 Beds/annum |
| Jajpur | Enterprise   | Income generation  | Paddystaw mushroom V.volvacea                   | Training, Demonstrations                | 25 | 340 | 50000bed/annum   |

#### Note-

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

\*Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.

\*Don't press enter key to navigate among col use arrow or tab key

\*don't add space before or after statement within the table cell

### 3.2 Details of FLDs implemented 2013-14

| KVK Name | year | Season | Thematic area | Technology demonstrated | Name of Crop/ Enterprise | Name of Variety/Technology/Enterprizes | Crop-Area (ha) / Entrep – No. | Results (q/ha)       |                      | % change | No. of farmers |     |         |          |        |
|----------|------|--------|---------------|-------------------------|--------------------------|----------------------------------------|-------------------------------|----------------------|----------------------|----------|----------------|-----|---------|----------|--------|
|          |      |        |               |                         |                          |                                        |                               | FP (T <sub>1</sub> ) | RP (T <sub>2</sub> ) |          | S C            | S T | Othe rs | Gener al | Tot al |

|        |       |        |     |                                                                                                                                                               |           |                 |      |      |      |       |   |   |   |   |   |
|--------|-------|--------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|------|------|------|-------|---|---|---|---|---|
| Jajpur | 2013  | Kharif | ICM | Demonstration of post emergence weed controlling by Almix(metasulfuron+chl oromuron) in paddy                                                                 | Paddy     | Swarna          | 1 ha | 39.2 | 45.8 | 16.83 | - | - | - | 5 | 5 |
| Jajpur | 2013  | Kharif | INM | Demonstration of Zinc Sulphate @ 25 kg/ha as basal application in medium land transplanted paddy.                                                             | Paddy     | Swarna          | 1ha  | 39.5 | 45.6 | 15.44 | - | 2 | - | 3 | 5 |
| Jajpur | 2013  | Kharif | INM | Demonstration on Boron application in Brinjal.spraying of Borax@0.25% at 30-45 DAT.                                                                           | Brinjal   | Green star long | 1 ha | 218  | 251  | 15.13 | 1 | 1 | 3 | - | 5 |
| Jajpur | 2013  | Rabi   | INM | Demonstration of Lime & Rhizobium application in Groundnut.Soil application of Lime@0.2 LR &seed treatment with Rhizobium culture@20 gm/kg of groundnut seed. | Groundnut | TMV-2           | 1 ha | 16.2 | 20.5 | 26.54 | 1 | 1 | 3 | - | 5 |
| Jajpur | 13-14 | Rabi   | INM | Demonstration of Biofertilizer application in Tomato.Use of 75% NPK + Azotobacter + Azospirillum +PSB(1:1:1) @3 kg/ha.                                        | Tamato    | Chiranjib       | 1 ha | 262  | 305  | 16.41 |   | 1 | 4 | - | 5 |

|        |       |        |     |                                                                                                                                                                                                     |           |            |      |       |      |       |  |   |   |   |    |
|--------|-------|--------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-------|------|-------|--|---|---|---|----|
| Jajpur | 13-14 | Rabi   | INM | Demonstration on application of Boron to increasing flowering & fruit setting in greengram.                                                                                                         | Greengram | SML-668    | 1 ha | 7.9   | 9.3  | 17.7  |  |   | 5 | - | 5  |
| Jajpur | 13-14 | Rabi   | ICM | Demonstration on Cultivation of secented var. of rice Gitanjali                                                                                                                                     | Paddy     | Geetanjali | 1 ha | Cont. |      |       |  |   | 5 |   | 5  |
| Jajpur | 2013  | Kharif | ICM | Demonstration of Groundnut variety Devi, soil amendment with Gypsum@2.5qtl/ha, seed treatment with Rhizobium culture@20gm/kg of seed & along with RDF (N:P:K) 20:40:40 kg/ha.                       | Groundnut | Devi       | 5 ha | 12.5  | 15.7 | 25.6  |  | 3 | 8 |   | 11 |
| Jajpur | 2013  | Kharif | ICM | Demonstration of Black gram variety T-9, seed treatment with Vitavax@2.5gm/kg seed, RDF (N:P:K) 20:40:20 kg/ha, seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures. | Blackgram | T-9        | 5    | 5.1   | 6.3  | 23.52 |  | 3 | 9 |   | 12 |

|        |       |      |     |                                                                                                                                                                                                      |                    |         |   |      |      |       |   |   |    |    |  |
|--------|-------|------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------|---|------|------|-------|---|---|----|----|--|
| Jajpur | 13-14 | Rabi | ICM | Demonstration of Groundnut variety TMV-2 ,soil amendment with Gypsum@2.5qtl/ha,seed treatment with Rhizobium culture@20gm/kg of seed & along with RDF (N:P:K) 20:40:40 kg/ha.                        | Groundnut          | TMV-2   | 5 | 16.1 | 21.2 | 31.67 | 1 | 1 | 10 | 12 |  |
| Jajpur | 13-14 | Rabi | ICM | Demonstration of Green gram variety SML-668,seed treatment with Vitavax@2.5gm/kg seed,RDF (N:P:K) 20:40:20 kg/ha,seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures. | Greengram          | SML-668 | 5 | 8.1  | 10.2 | 25.9  | 1 | 2 | 10 | 13 |  |
| Jajpur | 13-14 | Rabi | ICM | Demonstration of Green gram variety SML-668,seed treatment with Vitavax@2.5gm/kg seed,RDF (N:P:K) 20:40:20 kg/ha,seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures  | Greengram (Phylin) | SML-668 | 5 | 8    | 10.1 | 26.25 | 5 | 6 | 7  | 18 |  |

|        |         |        |                                  |                                                                                                                                                                                                        |                    |          |        |     |     |      |   |   |    |    |   |
|--------|---------|--------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|--------|-----|-----|------|---|---|----|----|---|
| Jajpur | 13-14   | Rabi   | ICM                              | Demonstration of Green gram variety SML-668, seed treatment with Vitavax@2.5gm/kg seed, RDF (N:P:K) 20:40:20 kg/ha, seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures | Greengram (Phylin) | SML-668  | 5      | 7.7 | 9.8 | 27.2 | 2 | 3 | 13 | 18 |   |
| Jajpur | 2013    | Kharif | INM                              | Demonstration on application of 5 kg vermin compost NPK (250-250-350)gm and 25 gm azobactor per plant at 1 <sup>st</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> , 7 <sup>th</sup> month of planting       | Papaya             | Red lady | 0.4    | 451 | 559 | 23   | 1 | - | 2  | 2  | 5 |
| Jajpur | 2013    | Rabi   | Weed management                  | Demonstration on application of Quizalo fop ethyl 500ml/ac at 21DAT+ oxyflorfen 75ml/ac at 3-4 leaf stage                                                                                              | Onion              | AFLR     | 1ha    | 267 | 291 | 8    | 1 |   | 1  | 3  | 5 |
| Jajpur | 2013-14 | Kharif | Flower production management     | Demonstration on cultivation of Tuberose var. pearl                                                                                                                                                    | Tuberose           | pearl    | 0.2 ha | 2.5 | 3.2 | 28   | 1 |   | 1  | 3  | 5 |
| Jajpur | 2013-14 | Rabi   | Commercial cultivation of flower | Demonstration on cultivation of marigold var sirakole after treatment in proper management practices                                                                                                   | Marigold           | Sirakole | 0.4ha  | 154 | 210 | 36   | 1 |   | 1  | 2  | 5 |

|        |         |           |                    |                                                                                                                                            |            |                          |      |       |       |      |   |   |   |   |   |
|--------|---------|-----------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------|------|-------|-------|------|---|---|---|---|---|
| Jajpur | 2013    | Kharif    | Farm Mechanisation | Demonstration on use of drum seeder                                                                                                        | Paddy      | drum seeder              | 1 ha | 42.8  | 44.3  | 3.5  | - | - | 5 | - | 5 |
| Jajpur | 2013    | Khairf    | Farm Mechanisation | Demonstration on use of bullock drawn puddler                                                                                              | Paddy      | bullock drawn puddler    | 1 ha | 42.6  | 45.2  | 6.1  | - | - | 5 | - | 5 |
| Jajpur | 2013-14 | Rabi      | Farm Mechanisation | Demonstration on use of axial flow thresher                                                                                                | Paddy      | axial flow thresher      | -    | 46.8  | 46.8  |      | - | - | 3 | 2 | 5 |
| Jajpur | 2013-14 | Rabi      | Farm Mechanisation | Demonstration on use of vertical conveyer Reaper                                                                                           | Paddy      | vertical conveyer Reaper | 1ha  | 44.9  | 44.9  |      | - | - | 4 | 1 | 5 |
| Jajpur | 2013    | Kharif    | IPM                | Demonstration on Soil application of Carbofuran granules with 6 times release of Trichogramma chilonis @50000/ha and need based management | Sugar cane | Raghunath                | 1.0  | 95.9  | 115.2 | 20   |   |   |   | 5 | 5 |
| Jajpur | 2013    | Kharif-13 | IDM                | Demonstration on Seedling root dip and Soil application of T Viridae @ 2kg /ac with soil drenching of Redomil MZ -70                       | BRINJAL    | Tarini                   | 1.0  | 228   | 259   | 13.5 |   |   |   | 5 | 5 |
| Jajpur | 2013    | Rabi      | IDM                | Demonstration on Seed treatment with Thiophenate methyl & seedling dip , spraying Propiconazole and Hexaconazole alternatively             | Paddy      | Swarna                   | 1 ha | Cont. |       |      |   |   |   | 5 | 5 |

|        |      |            |     |                                                                                                                                                                          |              |                                                                                                                                                                             |                                    |                                                                                                    |                        |                   |   |   |   |   |   |
|--------|------|------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------|------------------------|-------------------|---|---|---|---|---|
| Jajpur | 2013 | Rabi-13-14 | IPM | Demonstration on Seed treatment with Imidaclopride 200SL@ 0.04%(4ml/10lit)and 34ecort spray with Imidaclopride60gm/ha and thiomethoxam100gm/ha alternatively (two spray) | Bitter gourd | Nakhara                                                                                                                                                                     | 1.0                                | 91.3                                                                                               | 107.2                  | 17                |   |   |   | 5 | 5 |
| Jajpur | 2013 | Kharif     | LPM | Demonstration of scientific rearing practices in small scale poultry production.                                                                                         | Poultry      | RD La Sota vaccine on 7 <sup>th</sup> and 21 <sup>st</sup> day<br>IBD vaccine on 14 <sup>th</sup> and 28 <sup>th</sup> day<br>700 gm s of starter feed during first 30 days | 5 small poultry units (100 birds ) | Mortality rate = 60%<br>Body weight after 1 month 200 gms                                          | 16%<br>320 gms         | 73%<br>60%<br>19% | 0 | 0 | 0 | 5 | 5 |
| Jajpur | 2013 | Kharif     | LPM | Demonstration of health management in kids.                                                                                                                              | Goatary      | Vaccination against PPR and ETV at 3 months of age<br>Deworming alternatively with Albendazole, Fenbendazole+Praziquantel, Closantel every 2 months                         | 5 farmers (14 no kids)             | Number of kids surviving up to 6 months (%)= 52<br>Body weight at 3 month =4.2 kg<br>6 month=8.6kg | 79<br>5.2k g<br>9.7 kg | 52%<br>23%<br>13% | 1 | 2 |   | 2 | 5 |

|        |      |      |     |                                                     |         |                     |                                      |         |         |  |   |   |   |   |   |
|--------|------|------|-----|-----------------------------------------------------|---------|---------------------|--------------------------------------|---------|---------|--|---|---|---|---|---|
| Jajpur | 2013 | Rabi | LPM | Rearing of khaki Campbell ducks for egg production. | Duckary | Khaki Campbell duck | 5 units of small duckery (100 birds) | Ongoing | Ongoing |  | 3 | 0 | 2 | 0 | 5 |
|--------|------|------|-----|-----------------------------------------------------|---------|---------------------|--------------------------------------|---------|---------|--|---|---|---|---|---|

### 3.3 Economic Impact of FLD

| KV<br>K<br>Name | Technology demonstrated                                                     | Name of Crop/<br>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 <sub>1</sub> ) | RP (T <sub>2</sub> ) | FP (T <sub>1</sub> )        | RP (T <sub>2</sub> ) | FP (T <sub>1</sub> ) | RP (T <sub>2</sub> ) | FP (T <sub>1</sub> )       | RP (T <sub>2</sub> ) | FP (T <sub>1</sub> )                           | RP (T <sub>2</sub> ) |
| Jajpur          | Demonstration of post emergence weed controlling by Almix @20gm/ha in paddy | Paddy                                                                                            | Yield(q/ha), WCE, EBT/m.squire<br>· Test weight.(gm) | 39.2<br>216<br>22.3  | 45.8<br>247<br>22.9  | 30600                       | 28700                | 49000                | 57250                | 18400                      | 28550                | 1.6                                            | 1.9                  |
| Jajpur          | Paddy                                                                       | Demonstration of Zinc Sulphate @25 kg/ha as basal application in medium land transplanted paddy. | Yield , EBT /sqmt , 1000 grain weight,               | 39.5<br>223<br>22.8  | 45.6<br>247<br>24.6  | 27000                       | 29300                | 49375                | 57000                | 22375                      | 27000                | 1.82                                           | 1.94                 |

|               |           |                                                                                                                                                                 |                           |            |            |       |       |            |            |       |       |      |      |
|---------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------|-------|-------|------------|------------|-------|-------|------|------|
| <b>Jajpur</b> | Brinjal   | Demonstration of Boron application in Brinjal. Borax@0.25% at 30-45 DAT.                                                                                        | Yield, No of fruit/plant, | 218<br>9   | 251<br>15  | 52000 | 55000 | 13080<br>0 | 15060<br>0 | 78800 | 95600 | 2.51 | 2.73 |
| <b>Jajpur</b> | Groundnut | Demonstration of Lime & Rhizobium application in Groundnut. Soil application of Lime@0.2 LR & seed treatment with Rhizobium culture@20 gm/kg of groundnut seed. | Yield, No of pods/plant,  | 16.2<br>17 | 20.5<br>22 | 34200 | 35500 | 64800      | 82000      | 30600 | 46500 | 1.89 | 2.3  |
| <b>Jajpur</b> | Tomato    | Demonstration of Biofertilizer application in Tomato. Use of 75% NPK + Azotobacter + Azospirillum + PSB(1:1:1) @3 kg/ha.                                        | Yield, No of fruit/plant, | 262<br>25  | 305<br>35  | 83300 | 85250 | 15720<br>0 | 18300<br>0 | 73900 | 97750 | 1.88 | 2.14 |
| <b>Jajpur</b> | Greengram | Demonstration on application of Boron to increasing flowering & fruit setting in greengram.                                                                     | Yield, No of pods/plant,  | 7.9<br>12  | 9.3<br>23  | 22100 | 23200 | 35550      | 41850      | 13450 | 18650 | 1.6  | 1.8  |

|                |            |                                                                                                                                                                                                   |                                                                     |             |            |       |           |           |           |           |       |         |         |
|----------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------|------------|-------|-----------|-----------|-----------|-----------|-------|---------|---------|
| <b>Jaj pur</b> | Rice       | Demonstration on Cultivation of secented var. of rice Gitanjali                                                                                                                                   | Yield , EBT /sqmt , panicle length, 1000 grain weight, NR,BC Ratio, | Continue... |            |       |           |           |           |           |       |         |         |
| <b>Jaj pur</b> | Groundnut  | Demonstration of Groundnut variety Devi,soil amendment with Gypsum@2.5qtl /ha,seed treatment with Rhizobium culture@20gm/ kg of seed & along with RDF (N:P:K) 20:40:40 kg/ha.                     | Yield,No of pods/plant,                                             | 12.5<br>14  | 15.7<br>17 | 30100 | 31000     | 50000     | 62800     | 19900     | 31800 | 1.66    | 2.02    |
| <b>Jaj pur</b> | Black gram | Demonstration of Black gram variety T-9,seed treatment with Vitavax@2.5gm/ kg seed,RDF (N:P:K) 20:40:20 kg/ha,seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures. | Yield,No of pods/plant                                              | 5.1<br>10   | 6.3<br>22  | 12000 | 1400<br>0 | 229<br>50 | 283<br>50 | 109<br>50 | 14350 | 1.<br>9 | 2.<br>0 |

|               |            |                                                                                                                                                                                                       |                         |            |            |       |       |       |       |       |       |      |      |
|---------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|------------|-------|-------|-------|-------|-------|-------|------|------|
| <b>Jajpur</b> | Groundnut  | Demonstration of Groundnut variety TMV-2 ,soil amendment with Gypsum@2.5qtl /ha,seed treatment with Rhizobium culture@20gm/ kg of seed & along with RDF (N:P:K) 20:40:40 kg/ha.                       | Yield,No of pods/plant, | 16.1<br>16 | 21.2<br>21 | 34200 | 35500 | 64400 | 84800 | 30200 | 49300 | 1.8  | 2.3  |
| <b>Jajpur</b> | Green gram | Demonstration of Green gram variety SML-668,seed treatment with Vitavax@2.5gm/ kg seed,RDF (N:P:K) 20:40:20 kg/ha,seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures. | Yield,No of pods/plant  | 8.1<br>19  | 10.2<br>26 | 22100 | 23200 | 36450 | 45900 | 14350 | 22700 | 1.64 | 1.97 |

|               |                     |                                                                                                                                                                                                     |                                  |           |            |       |       |       |       |       |       |      |      |
|---------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------|------------|-------|-------|-------|-------|-------|-------|------|------|
| <b>Jajpur</b> | Green gram (Phylin) | Demonstration of Green gram variety SML-668,seed treatment with Vitavax@2.5gm/kg seed,RDF (N:P:K) 20:40:20 kg/ha,seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures | Yield,No of pods/plant,          | 8.0<br>19 | 10.1<br>25 | 22100 | 23200 | 36000 | 45450 | 13900 | 22250 | 1.62 | 1.95 |
| <b>Jajpur</b> | Green gram(phyline) | Demonstration of Green gram variety SML-668,seed treatment with Vitavax@2.5gm/kg seed,RDF (N:P:K) 20:40:20 kg/ha,seed inoculation of Rhizobium culture @20gm/kg of seed with need based pp measures | Yield,No of pods/plant,BC Ratio. | 7.7<br>18 | 9.8<br>22  | 22100 | 23200 | 34650 | 44100 | 12550 | 20900 | 1.56 | 1.9  |

|        |                                                                                                                                                                                                  |          |              |     |     |        |        |        |        |       |       |      |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-----|-----|--------|--------|--------|--------|-------|-------|------|------|
| Jajpur | Demonstration on application of 5 kg vermin compost NPK (250-250-350)gm and 25 gm azobactor per plant at 1 <sup>st</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> , 7 <sup>th</sup> month of planting | Papaya   | Yield (q/ha) | 493 | 659 | 184600 | 203700 | 217828 | 266401 | 33228 | 62701 | 1.18 | 1.31 |
| Jajpur | Demonstration on application of Quizalo fop ethyl 500ml/ac at 21DAT+ oxyflerofen 75ml/ac at 3-4 leaf stage.                                                                                      | Onion    | Yield (q/ha) | 266 | 291 | 45690  | 78900  | 54828  | 110460 | 9138  | 31560 | 1.2  | 1.4  |
| Jajpur | Demonstration on cultivation of Tuberose var. pearl                                                                                                                                              | Tuberose | Yield (q/ha) | 2.5 | 3.2 | 59632  | 89200  | 80400  | 139500 | 20768 | 50300 | 1.34 | 1.56 |
| Jajpur | Demonstration on cultivation of marigold var sirakole after treatment in proper management practices                                                                                             | Marigold | Yield(q/ha)  | 154 | 210 | 80500  | 109300 | 122360 | 195647 | 41860 | 86347 | 1.52 | 1.79 |

|        |                                                                                                                                            |           |                                                           |                 |                 |       |       |        |        |        |        |      |      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------|-----------------|-----------------|-------|-------|--------|--------|--------|--------|------|------|
| Jajpur | Demonstration on use of drum seeder                                                                                                        | Paddy     | Labour required (mandays/ha)<br><br>Area coverage(ha/hr)  | 36<br><br>0.001 | 1<br><br>0.19   | 29650 | 24400 | 53500  | 55375  | 23850  | 30975  | 1.8  | 2.27 |
| Jajpur | Demonstration on use of bullock drawn puddler                                                                                              | Paddy     | Area coverage(ha/hr)<br><br>Time required (hr/ha)         | 0.001<br><br>68 | 0.13<br><br>8.2 | 30580 | 28580 | 53250  | 56500  | 22670  | 27920  | 1.74 | 1.98 |
| Jajpur | Demonstration on use of tractor drawn axial flow thresher                                                                                  | Paddy     | Average capacity (q/hr)                                   | 1.2             | 9.9             | 32450 | 30210 | 58500  | 58500  | 26050  | 28290  | 1.8  | 1.94 |
| Jajpur | Demonstration on use of vertical conveyor Reaper                                                                                           | Paddy     | Area coverage (ha/hr)<br><br>Labour required(man days/ha) | 0.027<br><br>36 | 0.2<br><br>1    | 30860 | 25610 | 56125  | 56125  | 25265  | 30515  | 1.82 | 2.2  |
| Jajpur | Demonstration on Soil application of Carbofuran granules with 6 times release of Trichogramma chilonis @50000/ha and need based management | Sugarcane | Yield qt/ha                                               | 95.9            | 115.2           | 87520 | 89950 | 191800 | 230400 | 167480 | 185440 | 2.1  | 2.5  |

|        |                                                                                                                                                                             |              |       |             |       |       |       |        |        |        |        |     |     |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|-------------|-------|-------|-------|--------|--------|--------|--------|-----|-----|
| Jajpur | Demonstration on Seedling root dip and Soil application of T Viridae @ 2kg /ac with soil drenching of Redomil MZ - 70                                                       | Brinjal      | YIELD | 228         | 259   | 76540 | 81250 | 182400 | 207200 | 105860 | 125950 | 2.4 | 2.6 |
| Jajpur | Demonstration on Seed treatment with Thiophenate methyl & seedling dip , spraying Propiconazole and Hexaconazole alternatively                                              | Paddy        | YIELD | Continu.... | -     | -     | -     | -      | -      | -      | -      | -   | -   |
| Jajpur | Demonstration on Seed treatment with Imidaclopride 200SL@ 0.04%(4ml/10lit )and 42ecort spray with Imidaclopride60 gm/ha and thiomethoxam1 00gm/ha alternatively (two spray) | Bitter gourd | Yield | 91.3        | 107.2 | 68830 | 71350 | 136950 | 160800 | 68120  | 89450  | 1.9 | 2.2 |

|        |                                                                                  |         |                                                                                                                                |                           |                           |                              |                             |                          |                          |                  |                  |      |      |
|--------|----------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|------------------------------|-----------------------------|--------------------------|--------------------------|------------------|------------------|------|------|
| Jajpur | Demonstration of scientific rearing practices in small scale poultry production. | Poultry | Body weight mortality rate                                                                                                     | 200gm<br>60%              | 320gms<br>16%             | Rs 560 / 20 birds /brooding  | Rs 940/ 20 birds /brooding  | Rs 640 /surviving chicks | Rs 1280/surviving chicks | Rs 80 / 20 birds | Rs 340 /20 birds | 1.14 | 1.36 |
| Jajpur | Rearing of khaki Campbell ducks for egg production.                              | Duckary | Age at which 50% of stock have started laying.<br><br>Number of eggs in the first month after 80% of stock has entered laying. | Ongoing                   | Ongoing                   | -                            | -                           | -                        | -                        | -                | -                | -    | -    |
| Jajpur | Demonstration of health management in kids.                                      | Goatary | Percentage of kids surviving upto 6 month.<br>Body weight at 3 month<br>Body weight 6 month.                                   | 52%<br>4.2kg<br><br>8.6kg | 79%<br>5.2kg<br><br>9.7kg | Rs 4500 / 10 kids / 6 months | Rs 6000 / 10 kids /6 months | Rs 11000                 | Rs 19000                 | Rs 6500          | Rs 14000         | 2.44 | 3.8  |

### 3.4 Information about Home Science FLDs

| <b>KVK name</b> | <b>Year</b> | <b>Season</b> | <b>Thematic Area</b>                 | <b>Problem Identified</b>                                   | <b>Technology to be Demonstrated as Solution to the Identified Problem</b> | <b>Crop/ Enterprise (In which crop Enterprise or Farming Activity)</b> | <b>Name of Variety/Technology/Enterprises</b>     | <b>Farming Situation</b> | <b>Proposed area (ha)</b> | <b>No. of Beneficiaries</b> |
|-----------------|-------------|---------------|--------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------|--------------------------|---------------------------|-----------------------------|
| Jajpur          | 2013        | Kharif        | Income generation                    | Low income from local desi birds                            | Demonstration on backyard poultry(RIR)                                     | Enterprise                                                             | RIR                                               | --                       | 100 birds                 | 10                          |
| Jajpur          | 13-14       | Rabi          | Drudgery reduction                   | Manual Decortications is a drudgery prone activity          | Demonstration seating type groundnut decorticator                          | Farming Activity                                                       | Demonstration seating type groundnut decorticator |                          | 1.0                       | 10                          |
| Jajpur          | 13-14       | Rabi          | Storage loss minimization technique  | Heavy insect damage during storage due to stored grain pest | Demonstration on use of TNAU trap for store grain paddy                    | Paddy                                                                  | Swarna                                            |                          | 1.0                       | 10                          |
| Jajpur          | 2013        | Kharif        | Value addition and income generation | Mushroom is pericibale                                      | Value Addition in Oyster Mushroom (P .Florida)                             | Mushroom                                                               | P.florida                                         |                          | 10 kg                     | 10                          |

### 3.5 Economic Performance Home Science FLDs:

| KV<br>K<br>na<br>me | Technol<br>ogy to<br>be<br>Demonst<br>rated                                   | Performance Indicator / Parameter |             |                                              |         |                 |           |                                  |                                               |                                        |        |                                       |                                            |                  |              |                                       |                                                                    |                  |    |               |           |                        |                                            |
|---------------------|-------------------------------------------------------------------------------|-----------------------------------|-------------|----------------------------------------------|---------|-----------------|-----------|----------------------------------|-----------------------------------------------|----------------------------------------|--------|---------------------------------------|--------------------------------------------|------------------|--------------|---------------------------------------|--------------------------------------------------------------------|------------------|----|---------------|-----------|------------------------|--------------------------------------------|
|                     |                                                                               | Output<br>m2/h                    |             | Est.<br>Energy<br>Expendi<br>ture<br>kj/min. |         | WHR<br>beat/min |           | %<br>reduction<br>in<br>drudgery |                                               | %<br>increa<br>se in<br>efficie<br>ncy |        | Production per<br>unit                |                                            | Cost of<br>input |              | Incremental<br>income                 |                                                                    | Yield(K<br>g/ha) |    | Net<br>Return |           | Sav<br>ing<br>in<br>Rs | B<br>C<br>rat<br>io                        |
|                     |                                                                               | T1                                | T2          | T1                                           | T2      | T1              | T2        | T<br>1                           | T2                                            | T<br>1                                 | T<br>2 | T1                                    | T2                                         | T1               | T2           | T1                                    | T2                                                                 | T1               | T2 | T<br>1        | T2        |                        |                                            |
| Jaj<br>pur          | Demonst<br>ration on<br>backyard<br>poultry(<br>RIR)                          | ---                               | --          | --                                           | --      | --              | --        | --                               | --                                            | --                                     | --     | 4kg<br>(Unit of<br>5 no. of<br>birds) | 11.75kg<br>Egg<br>laying<br>continui<br>ng | 400/<br>unit     | 700/<br>unit | 1000<br>/<br>unit<br>Fro<br>m<br>meat | 1762/-<br>/unit<br>From<br>Meat<br>Egg<br>laying<br>contin<br>uing |                  |    | 60<br>0/      | 10<br>62  | 462                    | T1<br>-<br>2.5<br>T2<br>-<br>2.5<br>1      |
| Jaj<br>pur          | Demonstr<br>ation on<br>seating<br>type<br>groundnut<br>decorticat<br>or      | 2.5<br>Kg<br>/hr                  | 29k<br>g/hr | 7.9<br>5                                     | 6.<br>4 | 104<br>.83      | 95<br>0.7 | -                                | 19.50<br>In<br>terms<br>Of<br>expend<br>iture |                                        |        | 1066                                  |                                            | 40800            | 39200        | 80000                                 | 80000                                                              | --               | -- | 392<br>00     | 4080<br>0 | 1600                   | T1<br>-<br>1.9<br>6<br>T2<br>-<br>2.0<br>4 |
| Jaj<br>pur          | Demonst<br>ration on<br>use of<br>TNAU<br>trap for<br>store<br>grain<br>paddy | --                                | -           | --                                           | --      | --              | --        |                                  | --                                            | --                                     | --     | Stora<br>ge<br>loss<br>%<br>30        | Storag<br>e loss<br>%<br>16                | 1166<br>/-       | 1283<br>/-   | 1750<br>/qtl                          | 2100/<br>qtl                                                       | --               | -  | 58<br>4       | 81<br>7   | 233                    | T1<br>-<br>1.5<br>T2<br>-<br>1.6<br>3      |

|        |                                                |  |  |  |  |  |  |  |  |  |  |                 |                        |           |             |      |      |  |  |     |      |      |                |
|--------|------------------------------------------------|--|--|--|--|--|--|--|--|--|--|-----------------|------------------------|-----------|-------------|------|------|--|--|-----|------|------|----------------|
|        |                                                |  |  |  |  |  |  |  |  |  |  |                 |                        |           |             |      |      |  |  |     |      |      |                |
| Jajpur | Value Addition in Oyster Mushroom (P .Florida) |  |  |  |  |  |  |  |  |  |  | Shelflife (day) | Shelflife e(day) 2days | 500/ unit | 1200 / unit | 1200 | 6000 |  |  | 700 | 4800 | 4100 | T1 - 2.4 T2 -5 |

### 3.6 Training and Extension activities proposed under FLD

| KVK Name | Crop                                      | Activity                                                        | No. of activities organized | Number of participants | Remarks             |
|----------|-------------------------------------------|-----------------------------------------------------------------|-----------------------------|------------------------|---------------------|
| Jajpur   | Marigold                                  | Field days                                                      | 2                           | 50                     | Yield increases     |
| Jajpur   | Papaya                                    | Training                                                        | 1                           | 25                     | Yield increases     |
| Jajpur   | Tuberose                                  | Training                                                        | 1                           | 25                     | Yield increases     |
| Jajpur   | Paddy(Vertical conveyer reaper)           | Training                                                        | 2                           | 50                     | Labour saving       |
| Jajpur   | Paddy(Tractor drawn Axcial flow thresher) | Training                                                        | 1                           | 25                     | Labour saving       |
| Jajpur   | Paddy(Tractordrawn axcial flow thresher)  | Filed day                                                       | 1                           | 25                     | Labour saving       |
| Jajpur   | Paddy(Vertical conveyer reaper0           | Field day                                                       | 1                           | 30                     | Labour saving       |
| Jajpur   | Poultry                                   | Training on backyard poultry farming                            | 1                           | 25                     | Net Income increase |
| Jajpur   | Duckery                                   | Training on duck husbandry                                      | 1                           | 25                     | Net Income increase |
| Jajpur   | Goatary                                   | Technical week celebration awareness camp on deworming in goats | 1                           | 25                     | Net Income increase |

|        |                  |                             |   |    |                       |
|--------|------------------|-----------------------------|---|----|-----------------------|
| Jajpur | Mushroom pickle  | Training                    | 1 | 25 | Value addition        |
| Jajpur | Tnau trap        | Training                    | 1 | 25 | Storage loss minimise |
| Jajpur | Backyard poultry | Training Fieldday           | 2 | 50 | Net Income increase   |
| Jajpur | Paddy            | Training , group discussion | 3 | 75 | Low pest attack       |
| Jajpur | Sugarcane        | Training , group discussion | 2 | 50 | Low pest attack       |
| Jajpur | Brinjal          | Training , group discussion | 2 | 50 | Low disease incidence |
| Jajpur | Bittergourd      | Training , group discussion | 1 | 25 | Low pest attack       |

### 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. |
|--------|-----------------|------------------|---------------------|-----------------------------------|----------------|-------------|
|        |                 | NA               | NA                  | NA                                | NA             | NA          |

## 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                                                |
| <b>Jajpur</b> | Commercial cultivation of flower is profitable                            | Interactive demonstration | Marigold more profitable   | Farmers are interested to adopt this technology in next season |
| <b>Jajpur</b> | INM in papaya reduce the cost of fertilizer application & increase yield. | Interactive demonstration | More yield and more profit | Farmers are interested to adopt this technology in next season |

|               |                                                                                                                         |                           |                                                                                                                                   |                                                                                                  |
|---------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Jajpur</b> | Application of weedicide in onion reduce the cost of weeding which made the farmer more profitable in onion cultivation | Interactive demonstration | Reduce cost of cultivation.                                                                                                       | Farmers are interested to adopt this technology in next season                                   |
| <b>Jajpur</b> | Application of bio control measures for early shoot borer in sugarcane                                                  | Interactive demonstration | Reduce pest load and also cost of cultivation                                                                                     | Farmers are interested to adopt this method in their field                                       |
| <b>Jajpur</b> | Wilting management in Brinjal                                                                                           | Interactive demonstration | Reduce disease incidence and also cost of cultivation                                                                             | Farmers are interested to adopt this technology in next season                                   |
| <b>Jajpur</b> | Whitefly management in Bitter gourd                                                                                     | Interactive demonstration | Reduce pest load and good yield                                                                                                   | Farmers are interested to adopt this technology in next season                                   |
| <b>Jajpur</b> | Harvesting cost reduced and time of harvesting also reduced.                                                            | Interactive demonstration | Harvesting cost is considerably reduced from Rs 5400/- per ha to Rs 1250/-ha.                                                     | Demonstration of vertical conveyor reaper for harvesting of paddy is suitable for standing crop. |
| <b>Jajpur</b> | Threshing by tractor drawn axial flow thresher is reducing time and cost of threshing.                                  | Interactive demonstration | Threshing time required for 1q paddy threshing is 6 min whereas in case of threshing with power paddy thresher the threshing time | The implement has good scope for adoption in future.                                             |

|               |                                                                                                      |                           |                                                                                                                               |                                                                                     |
|---------------|------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Jajpur</b> | Dropping of pregerminated paddy through drum seeder saved time in comparison to manual transplanting | Interactive demonstration | Transplanting cost reduced to Rs 5250/- per ha.                                                                               | The implement has good scope for adoption in future.                                |
| <b>Jajpur</b> | White pekin ducks                                                                                    | Interactive demonstration | Attractive ducks with high growth rate                                                                                        | Ducks with moderate growth rate preferred.                                          |
| <b>Jajpur</b> | Vaccination and vitamin, mineral supplementation in Vanaraja.                                        | Interactive demonstration | Vaccination and Supplementation of vitamins, minerals reduced susceptibility to diseases occurring at time of climate change. | Willing to do vaccination against RD and FP.                                        |
| <b>Jajpur</b> | Balanced feeding in pregnant and lactating does                                                      | Interactive demonstration | Body weight of kids born from does given extra feed is more                                                                   | Supplementary feeding to female goats (does) in lean summer months is to be adopted |
| <b>Jajpur</b> | Khaki Campbell ducks                                                                                 | Interactive demonstration | Ducks with good camouflage and excellent survivability.                                                                       | Willing to rear Khaki Campbell ducks again.                                         |
| <b>Jajpur</b> | Brooding, Vaccination, balanced feeding in poultry.                                                  | Interactive demonstration | Higher disease resistance than broilers. More acceptable to rural people than broilers.                                       | Willing to rear again by scaling up to 40-50 unit capacity.                         |

|               |                                                         |                           |                                                                                              |                                                                  |
|---------------|---------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <b>Jajpur</b> | Deworming and vaccination in goat kids.                 | Interactive demonstration | Higher growth rate with concurrent deworming.<br>Reduction in cases of sudden death in kids. | Willing to deworm periodically and vaccinate against PPR and ET. |
| <b>Jajpur</b> | Demonstration on backyard poultry (RIR)                 | Interactive demonstration | Good egg size, High demand on availability of chicks due to good marketability of eggs       | Willing to rear again.                                           |
| <b>Jajpur</b> | Demonstration seating type groundnut decorticator       | Interactive demonstration | 90 % reduction of drudgery in terms of time spent and output.                                | Interested to use in next season                                 |
| <b>Jajpur</b> | Demonstration on use of TNAU trap for store grain paddy | Interactive demonstration | Storage loss is reduced to 16%                                                               | Easy availability is required                                    |
| <b>Jajpur</b> | Value Addition in Oyster Mushroom (P .Florida)          | Interactive demonstration | Mushroom pickle can be stored for 3 months with good price                                   | Will adopt in larger scale                                       |

#### 4.2. Feedback from KVK to Research System.

| Name of KVK   | Feedback basic of OFT on Technology Tested                                                               |
|---------------|----------------------------------------------------------------------------------------------------------|
| <b>Jajpur</b> | Use of 3-4 TNAU Trap can effectively control the rice weevil and pulse beetle from 25kg of stored grain. |

|               |                                                                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Jajpur</b> | Healthy RIR hens can lay up to 6–7 eggs per week depending on their care and treatment. Rhode Island Red hens lay more eggs than an average hen if provided quality feeding is practiced. |
| <b>Jajpur</b> | .Groundnut pods should be kept moist before 51ecortications to minimize broken loss percentage                                                                                            |
| <b>Jajpur</b> | Timely availability of true to type seed and seedlings at the time of need is most urgent                                                                                                 |
| <b>Jajpur</b> | Detail description of weedcide ,dose ,time and method of application should be published and spread through leaflets or booklets.                                                         |
| <b>Jajpur</b> | Tractor drawn rotavator is a good puddling implement the puddling index is higherin a single pass.                                                                                        |
| <b>Jajpur</b> | Power paddy weeder is very useful implements for weeding operation due to unavailability of the labour                                                                                    |
| <b>Jajpur</b> | The metering mechanism should be perfect                                                                                                                                                  |

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

| Name of KVK | Category of the training | Methods of need assessment               | Date and place                                                                                                                                                                                                                                                                                                          | No. of participants involved |
|-------------|--------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Jajpur      | F & FW                   | PRA, Group discussion,                   | 25 <sup>th</sup> ,26 <sup>th</sup> ,27 <sup>th</sup> 29 <sup>th</sup> & 30 <sup>th</sup> April ,2013 , 1 <sup>st</sup> 2 <sup>nd</sup> ,3 <sup>rd</sup> ,4 <sup>th</sup> May 2013<br>Rambhadeipur,Niladeipur ,Dhananjaypur,Patpur,Teligarh,Kalyanpur, Chandia,Madhupurgargh, Ranagundi,Kuransa,Bamphu,Areikana,Abhaypur | 330                          |
| Jajpur      | RY                       | PRA, Group discussion,                   | 1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> August 2013Badasila ,Kalakala,Deurigarh,Achutbasanta, Chaulathali,Amiyajhari                                                                                                                                                                                          | 155                          |
| Jajpur      | IS                       | Group discussion, district meeting forum | 2 <sup>nd</sup> ,3 <sup>rd</sup> May 2013 DDA office Jajpur & AHO office Jajpur                                                                                                                                                                                                                                         | 15                           |
| Jajpur      | Vocational               | PRA, Group discussion,                   | 1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> August 2013Badasila ,Kalakala,Deurigarh,Achutbasanta, Chaulathali,Amiyajhari                                                                                                                                                                                          | 85                           |

#### 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                                       |
| <b>Thematic Areas for Training</b> |                                             |
| 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                                                                  | 6              | 7               | 8            | 9 | 10 | 11 | 12 | 13 | 14     | 15 |
| Jajpur      | FW       | OFC           | CRP           | Intercropping in groundnut                                         | 1              | 1               | 12           | 2 | 1  | 0  | 0  | 9  | 1      |    |
| Jajpur      | FW       | OFC           | CRP           | Chemical weed control in kharif paddy                              | 1              | 1               | 2            | 2 | 1  | 2  | 7  | 10 | 1      |    |
| Jajpur      | FW       | OFC           | CRP           | Recycling farm waste for sustaining productivity                   | 1              | 1               | 2            | 2 | 1  | 2  | 8  | 9  | 1      |    |
| Jajpur      | FW       | OFC           | CRP           | Planting methods in sugarcane                                      | 1              | 1               | 10           | 2 | 1  | 0  | 0  | 12 | 0      |    |
| Jajpur      | FW       | OFC           | SFM           | Micrnutrient deficiency& its controle measures in oil seeds crops. | 1              | 1               | 10           | 2 | 1  | 0  | 0  | 12 | 0      |    |
| Jajpur      | FW       | OFC           | SFM           | Management of acid soil for sustainable crop production.           | 1              | 1               | 10           | 2 | 1  | 0  | 0  | 12 | 0      |    |
| Jajpur      | FW       | OFC           | SFM           | Importance of soil health management in crop production.           | 1              | 1               | 10           | 2 | 1  | 2  | 0  | 9  | 1      |    |
| Jajpur      | FW       | OFC           | SFM           | Technique of soil sample collection.                               | 1              | 1               | 10           | 2 | 2  | 1  | 0  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | SFM           | Biofertilizer & their application in                               | 1              | 1               | 7            | 2 | 2  | 1  | 2  | 0  | 10     | 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                                                                 | 6              | 7               | 8            | 9 | 10 | 11 | 12 | 13 | 14     | 15 |
|             |          |               |               | solanaceous crop.                                                 |                |                 |              |   |    |    |    |    |        |    |
| Jajpur      | FW       | OFC           | SFM           | Maize based farming system.                                       | 1              | 1               | 14           | 0 | 2  | 1  | 2  | 0  | 5      | 1  |
| Jajpur      | FW       | OFC           | HOT           | Production management and okra                                    | 1              | 1               | 10           | 2 | 2  | 1  | 0  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | HOT           | Scientific method of care maintenance of coconut & cashew orchard | 1              | 1               | 7            | 2 | 2  | 1  | 2  | 0  | 10     | 1  |
| Jajpur      | FW       | OFC           | HOF           | Production & management of short duration fruit crops papaya      | 1              | 1               | 14           | 0 | 2  | 1  | 2  | 0  | 5      | 1  |
| Jajpur      | FW       | OFC           | HOO           | Production technology of marigold                                 | 1              | 1               | 8            | 2 | 2  | 1  | 2  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | HOO           | Production technology of onion                                    | 1              | 1               | 8            | 2 | 2  | 1  | 2  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | HOT           | Production and management of high value crop capsicum             | 1              | 1               | 10           | 0 | 2  | 1  | 0  | 0  | 12     | 0  |
| Jajpur      | FW       | OFC           | HOT           | Production & management hybrid                                    | 1              | 1               | 10           | 0 | 2  | 1  | 0  | 0  | 12     | 0  |

| Name of KVK | Category | Training Type | Thematic area | Training Title                                       | No. of Courses | Duration (Days) | Participants |   |    |    |    |    |        |    |
|-------------|----------|---------------|---------------|------------------------------------------------------|----------------|-----------------|--------------|---|----|----|----|----|--------|----|
|             |          |               |               |                                                      |                |                 | Gen          |   | SC |    | ST |    | Others |    |
|             |          |               |               |                                                      |                |                 | M            | F | M  | F  | M  | F  | M      | F  |
| 1           | 2        | 3             | 4             | 5                                                    | 6              | 7               | 8            | 9 | 10 | 11 | 12 | 13 | 14     | 15 |
|             |          |               |               | technology of vegetables                             |                |                 |              |   |    |    |    |    |        |    |
| Jajpur      | FW       | OFC           | HOT           | Produciton management of parwal                      | 1              | 1               | 10           | 0 | 2  | 1  | 0  | 0  | 12     | 0  |
| Jajpur      | FW       | OFC           | AEG           | Use and maintenance of rice transplanter             | 1              | 1               | 8            | 2 | 2  | 1  | 2  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | AEG           | Use and maintenance of reapear                       | 1              | 1               | 8            | 2 | 2  | 1  | 2  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | AEG           | Use of plastic as mulching material                  | 1              | 2               | 9            | 2 | 2  | 0  | 2  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | AEG           | Management of mat type nursery                       | 1              | 2               | 9            | 2 | 2  | 0  | 2  | 0  | 9      | 1  |
| Jajpur      | FW       | OFC           | AEG           | Use of primary tillage implements                    | 1              | 2               | 9            | 1 | 2  | 0  | 2  | 0  | 10     | 1  |
| Jajpur      | FW       | OFC           | AEG           | Maintenance of tillage implements                    | 1              | 2               | 9            | 1 | 2  | 0  | 2  | 0  | 10     | 1  |
| Jajpur      | FW       | OFC           | AEG           | Care and safety measured during operation of reaper. | 1              | 2               | 9            | 1 | 2  | 0  | 2  | 0  | 10     | 1  |
| Jajpur      | FW       | OFC           | AEG           | Implements used for rice cultivation                 | 1              | 1               | 12           | 1 | 2  | 0  | 2  | 0  | 8      | 0  |
| Jajpur      | FW       | OFC           | AEG           | Maintenance care and                                 | 1              | 1               | 12           | 1 | 2  | 0  | 2  | 0  | 8      | 0  |

| Name of KVK | Category | Training Type | Thematic area | Training Title                                          | No. of Courses | Duration (Days) | Participants |    |    |    |    |    |        |    |
|-------------|----------|---------------|---------------|---------------------------------------------------------|----------------|-----------------|--------------|----|----|----|----|----|--------|----|
|             |          |               |               |                                                         |                |                 | Gen          |    | SC |    | ST |    | Others |    |
|             |          |               |               |                                                         |                |                 | M            | F  | M  | F  | M  | F  | M      | F  |
| 1           | 2        | 3             | 4             | 5                                                       | 6              | 7               | 8            | 9  | 10 | 11 | 12 | 13 | 14     | 15 |
|             |          |               |               | safety measure during operation of power paddy thresher |                |                 |              |    |    |    |    |    |        |    |
| Jajpur      | FW       | OFC           | PLP           | Integrated pest management in Rice                      | 1              | 1               | 15           | 0  | -  | 3  | -  | -  | -      | 7  |
| Jajpur      | FW       | OFC           | PLP           | Integrated pest management in sugarcane                 | 1              | 1               | 15           | 0  | -  | 3  | -  | -  | -      | 7  |
| Jajpur      | FW       | OFC           | PLP           | Integrated pest management in jute                      | 1              | 1               | 0            | 0  | 6  | -  | -  | -  | -      | 19 |
| Jajpur      | FW       | OFC           | PLP           | Wilting management in Brinjal                           | 1              | 1               | 0            | 0  | -  | 1  | -  | -  | -      | 24 |
| Jajpur      | FW       | OFC           | PLP           | Integrated pest management in cabbage                   | 1              | 1               | 20           | 0  | -  | -  | 5  | -  | -      | 0  |
| Jajpur      | FW       | OFC           | PLP           | Management of sucking pest in vegetables                | 1              | 1               | 11           | 2  | 5  | 4  | -  | -  | 3      | 0  |
| Jajpur      | FW       | ONC           | PLP           | IPM in oilseed and pulses                               | 1              | 1               | 2            | 10 | 2  | 2  | 0  | 2  | 0      | 7  |
| Jajpur      | FW       | ONC           | PLP           | IPM in pulses                                           | 1              | 1               | 10           | 1  | 2  | 2  | 1  | 2  | 0      | 7  |
| Jajpur      | FW       | ONC           | PLP           | IPM in Rice                                             | 1              | 1               | 9            | 0  | 2  | 2  | 1  | 2  | 0      | 9  |
| Jajpur      | FW       | OFC           | LPM           | Integrated farming for efficient resource utilization   | 1              | 1               | 25           | 0  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | LPM           | Duck farming.                                           | 1              | 1               | 19           | 1  | 5  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | LPM           | Vaccination in livestock and poultry                    | 1              | 1               | 13           | 0  | 9  | 2  | 1  | 0  | 0      | 0  |
| Jajpur      | FW       | ONC           | LPM           | Scientific broiler                                      | 1              | 1               | 25           | 0  | 0  | 0  | 0  | 0  | 0      | 0  |

| Name of KVK | Category | Training Type | Thematic area | Training Title                                                       | No. of Courses | Duration (Days) | Participants |    |    |    |    |    |        |    |
|-------------|----------|---------------|---------------|----------------------------------------------------------------------|----------------|-----------------|--------------|----|----|----|----|----|--------|----|
|             |          |               |               |                                                                      |                |                 | Gen          |    | SC |    | ST |    | Others |    |
|             |          |               |               |                                                                      |                |                 | M            | F  | M  | F  | M  | F  | M      | F  |
| 1           | 2        | 3             | 4             | 5                                                                    | 6              | 7               | 8            | 9  | 10 | 11 | 12 | 13 | 14     | 15 |
|             |          |               |               | farming-I                                                            |                |                 |              |    |    |    |    |    |        |    |
| Jajpur      | FW       | ONC           | LPM           | Scientific broiler farming-II                                        | 1              | 1               | 22           | 1  | 2  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | LPM           | Backyard poultry farming                                             | 1              | 1               | 25           | 0  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | LPM           | Fodder cultivation                                                   | 1              | 1               | 15           | 1  | 6  | 2  | 0  | 0  | 1      | 0  |
| Jajpur      | FW       | OFC           | WOE           | Safe storage of food grain                                           | 1              | 1               | 0            | 25 | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | WOE           | Preparation of lowcost weaning mix from cerial, pulses and oil seeds | 1              | 1               | 0            | 22 | 0  | 3  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | WOE           | Crop rotation in nutrition garden                                    | 1              | 1               | 0            | 22 | 0  | 3  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | WOE           | Care and mgt of backyard poultry (BLACKROCK)                         | 1              | 1               | 0            | 21 | 0  | 4  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | WOE           | Oyster mushroom production (P.Florida)                               | 1              | 2               | 0            | 23 | 0  | 2  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | OFC           | WOE           | Skill development on preparation of papad and masala powder          | 1              | 2               | 0            | 25 | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | FW       | ONC           | WOE           | Preparation of pickles by using of oyster                            | 1              | 1               | 0            | 19 | 0  | 6  | 0  | 0  | 0      | 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                                                              | 6              | 7               | 8            | 9  | 10 | 11 | 12 | 13 | 14     | 15 |
|             |          |               |               | mushroom                                                       |                |                 |              |    |    |    |    |    |        |    |
| Jajpur      | RY       | ONC           | HOT           | Integrated farming system                                      | 1              | 2               | 20           | 5  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | HOO           | Production and management technology of flower                 | 1              | 2               | 21           | 4  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | AEG           | Skill in operation and maintance of reaper                     | 1              | 2               | 25           | 0  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | AEG           | Use and maintace of tractor                                    | 1              | 2               | 25           | 0  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | PLP           | Preparation of NSKE and neem Oil                               | 1              | 2               | 20           | 4  | -  | 1  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | PLP           | Bee keeping                                                    | 1              | 2               | 20           | 4  | -  | 1  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | WOE           | Prepartion of ready to use mexies (dosamix, Idli mix, Vadamix) | 1              | 2               |              | 21 | 0  | 4  | 0  | 0  | 0      | 0  |
| Jajpur      | RY       | ONC           | WOE           | Composting of rural farm waste,(vermicompost, Nadeb compost)   | 1              | 2               |              | 23 | 0  | 2  | 0  | 0  | 0      | 0  |
| Jajpur      | IS       | ONC           | HOT           | INM in orchard                                                 | 1              | 2               | 13           | 1  | 1  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | IS       | ONC           | PLP           | IPM in sugarcane                                               | 1              | 2               | 10           | 5  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | IS       | ONC           | AEG           | Use care maintenance of micro irrigation system.               | 1              | 1               | 15           | 0  | 0  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | IS       | ONC           | LPM           | Concept of adverse drug reaction in veterinary field practice. | 1              | 2               | 15           | 2  | 8  | 0  | 0  | 0  | 0      | 0  |
| Jajpur      | IS       | ONC           | WOE           | Value addition of tuber                                        | 1              | 2               | 0            | 15 | 0  | 0  | 0  | 0  | 0      | 0  |

| Name of KVK | Category | Training Type | Thematic area | Training Title                                           | No. of Courses | Duration (Days) | Participants |   |    |    |    |    |        |    |
|-------------|----------|---------------|---------------|----------------------------------------------------------|----------------|-----------------|--------------|---|----|----|----|----|--------|----|
|             |          |               |               |                                                          |                |                 | Gen          |   | SC |    | ST |    | Others |    |
|             |          |               |               |                                                          |                |                 | M            | F | M  | F  | M  | F  | M      | F  |
| 1           | 2        | 3             | 4             | 5                                                        | 6              | 7               | 8            | 9 | 10 | 11 | 12 | 13 | 14     | 15 |
|             |          |               |               | crops (Sweet patato-golapjam, Elephant fruit yam pickle) |                |                 |              |   |    |    |    |    |        |    |

**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 |
| Jajpur      | Operation care, maintenance of tractor and tractor drawn implements | Enterprise        | Self employment through farm mechanization    | 5                           | 6                       | 0 | 0  | 0 | 0  | 0 | 4      | 0 |
| Jajpur      | Mushroom spawn production technology                                | Enterprise        | Self employment                               | 7                           | 0                       | 8 | 0  | 7 | 0  | 0 | 0      | 0 |
| Jajpur      | Planting material production                                        | Crop              | Self employment through agro based enterprise | 7                           | 8                       | 0 | 0  | 7 | 0  | 0 | 0      | 0 |

**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 |                                       |
| Jajpur      | Quality planting material production | crop                         | 3               | 3                          | 4                                     |

**Table 5.4. Sponsored Training Programmes**

| Name of KVK | Title                                               | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/ RY/ IS) | Duration (days) | No. of courses | No. of Participants |   |        |    |    |   |    |       | Sponsoring Agency | Fund received for training (Rs.) |
|-------------|-----------------------------------------------------|------------------------------------------------|--------------------------------------------|---------------------|-----------------|----------------|---------------------|---|--------|----|----|---|----|-------|-------------------|----------------------------------|
|             |                                                     |                                                |                                            |                     |                 |                | Gen                 |   | Others |    | SC |   | ST |       |                   |                                  |
|             |                                                     |                                                |                                            |                     |                 |                | M                   | F | M      | F  | M  | F | M  | F     |                   |                                  |
| Jajpur      | Pest and disease management of fruit and vegetables | PLP                                            |                                            | 50                  | 4               |                |                     |   |        | 50 |    |   |    | TSRDS | 36750             |                                  |

**Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members**

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

**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<br>1. Area expanded (ha)<br>2. No. of farmers adopted (no.)<br>3. % change in knowledge, production & Income                   |
|-------------|------------------------------------------|-----------------|-----------------------------|-------|-----------------------------|-------|-----------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------|
|             |                                          |                 | Before                      | After | Before                      | After | Before                | After |                                                                                                                                          |
| Jajpur      | Use and maintenance of rice transplanter | 25              | 10                          | 55    | 40.8                        | 46.5  | 51000                 | 58125 | 1. Area expanded (ha): 3ha<br>2. No. of farmers adopted (no.):2<br>3. % change in knowledge- 81.82%, production- 13.97%, & Income-13.97% |
| Jajpur      | Use and maintenance of reaper            | 25              | 12                          | 58    | -                           | -     | -                     | -     | 1. Area expanded (ha): 20ha<br>2. No. of farmers adopted (no.):12<br>3. % change in knowledge-79.31%,                                    |
| Jajpur      | Use of plastic as mulching material      | 25              | 20                          | 70    | -                           | -     | -                     | -     | 1. Area expanded (ha): 2ha<br>2. No. of farmers adopted (no.): 4<br>3. % change in knowledge-71.43%,                                     |
| Jajpur      | Management of mat type nursery           | 25              | 10                          | 72    | -                           | -     | -                     | -     | 1. Area expanded (ha):1ha<br>2. No. of farmers adopted (no.): 2<br>3. % change in knowledge-86.11%,                                      |

|        |                                                                              |    |    |    |   |   |   |   |                                                                                                       |
|--------|------------------------------------------------------------------------------|----|----|----|---|---|---|---|-------------------------------------------------------------------------------------------------------|
| Jajpur | Use of primary tillage implements                                            | 25 | 22 | 80 | - | - | - | - | 1. Area expanded (ha): 4ha<br>2. No. of farmers adopted (no.): 6<br>3. % change in knowledge-72.5%    |
| Jajpur | Maintenance of tillage implements                                            | 25 | 15 | 75 | - | - | - | - | 1. Area expanded (ha):<br>2. No. of farmers adopted (no.): 8<br>3. % change in knowledge-80%          |
| Jajpur | Care and safety measures during operation of reaper.                         | 25 | 12 | 58 | - | - | - | - | 1. Area expanded (ha)<br>2. No. of farmers adopted (no.): 5<br>3. % change in knowledge-79.31%        |
| Jajpur | Implements used for rice cultivation                                         | 25 | 30 | 86 | - | - | - | - | 1. Area expanded (ha): 20ha<br>2. No. of farmers adopted (no.): 10<br>3. % change in knowledge-65.11% |
| Jajpur | Maintenance care and safety measure during operation of power paddy thresher | 25 | 12 | 65 | - | - | - | - | 1. Area expanded (ha):1ha<br>2. No. of farmers adopted (no.):4<br>3. % change in knowledge-81.54%     |
| Jajpur | Skill in operation maintenance of reaper                                     | 25 | 10 | 58 | - | - | - | - | 1. Area expanded (ha): 20ha<br>2. No. of farmers adopted (no.): 6<br>3. % change in knowledge-82.76%  |
| Jajpur | Use and maintenance of tractor                                               | 25 | 15 | 64 | - | - | - | - | 1. Area expanded (ha):<br>2. No. of farmers adopted (no.): 10<br>3. % change in knowledge-76.56%      |
| Jajpur | Use, operation, care and maintenance of tractor and tractor drawn implements | 10 | 32 | 68 | - | - | - | - | 1. Area expanded (ha):<br>2. No. of farmers adopted (no.):<br>3. % change in knowledge-52.94%         |
| Jajpur | use and maintenance of microirrigation system                                | 15 | 25 | 72 | - | - | - | - | 1. Area expanded (ha):<br>2. No. of farmers adopted (no.):<br>3. % change in knowledge-65.28%         |

|        |                                                                   |    |    |    |     |     |       |       |                                                                                                  |
|--------|-------------------------------------------------------------------|----|----|----|-----|-----|-------|-------|--------------------------------------------------------------------------------------------------|
| Jajpur | Production management and okra                                    | 25 | 12 | 36 | 150 | 200 | 41400 | 62300 | 1. Area expanded (ha): 31<br>2. No. of farmers adopted (no.): 10<br>3. % change in knowledge-26  |
| Jajpur | Scientific method of care maintenance of coconut & cashew orchard | 25 | 20 | 47 | 80  | 112 | 17500 | 25600 | 1. Area expanded (ha): 8<br>2. No. of farmers adopted (no.):5<br>3. % change in knowledge-23%    |
| Jajpur | Production & management of short duration fruit crops papaya      | 25 | 19 | 38 | 501 | 624 | 23400 | 31800 | 1. Area expanded (ha): 9<br>2. No. of farmers adopted (no.):4<br>3. % change in knowledge-15%    |
| Jajpur | Production technology of marigold                                 | 25 | 23 | 37 | 120 | 140 | 45300 | 62700 | 1. Area expanded (ha): 7<br>2. No. of farmers adopted (no.): 12<br>3. % change in knowledge-18%  |
| Jajpur | Production technology of onion                                    | 25 | 17 | 34 | 210 | 250 | 43000 | 61300 | 1. Area expanded (ha): 48<br>2. No. of farmers adopted (no.): 91<br>3. % change in knowledge-21% |
| Jajpur | Production and management of high value crop capsicum             | 25 | 19 | 43 | 160 | 220 | 38000 | 49300 | 1. Area expanded (ha): 43<br>2. No. of farmers adopted (no.): 20<br>3. % change in knowledge-23% |

|        |                                                                |    |    |    |         |         |                |                |                                                                                                   |
|--------|----------------------------------------------------------------|----|----|----|---------|---------|----------------|----------------|---------------------------------------------------------------------------------------------------|
| Jajpur | Production & management hybrid technology of vegetables        | 25 | 32 | 64 | 230     | 290     | 47000          | 58000          | 1. Area expanded – 31(ha):<br>2. No. of farmers adopted (no.): 10<br>3. % change in knowledge-39% |
| Jajpur | Production management of parwal                                | 21 | 37 | 52 | 160     | 183     | 38500          | 59300          |                                                                                                   |
| Jajpur | Integrated farming for efficient resource utilization          | 25 | 50 | 80 | 3 no    | 8 no    | Rs 10000/month | Rs 11000/month | 10% income                                                                                        |
| Jajpur | Duck farming.                                                  | 25 | 30 | 80 | 5 no    | 13 no   | Rs 10000/month | Rs 10500/month | 5% income                                                                                         |
| Jajpur | Vaccination in livestock and poultry                           | 25 | 40 | 90 | 10 no   | 20 no   | Rs 15000/month | Rs 16500/month | 10% income                                                                                        |
| Jajpur | Scientific broiler farming-I                                   | 25 | 20 | 80 | 4 units | 4 units | Rs 20000/month | Rs 20000/month | Trainees taking steps to establish poultry farms                                                  |
| Jajpur | Scientific broiler farming-II                                  | 25 | 50 | 90 | 5 units | 5 units | Rs 20000/month | Rs 20000/month | Trainees taking steps to establish poultry farms                                                  |
| Jajpur | Concept of adverse drug reaction in veterinary field practice. | 25 | 15 | 80 | NA      | NA      | NA             | NA             | Para vets willing to be more careful in giving drugs having potential side effects.               |

|        |                                                                      |    |    |    |                       |                       |                |                 |                                                                                     |
|--------|----------------------------------------------------------------------|----|----|----|-----------------------|-----------------------|----------------|-----------------|-------------------------------------------------------------------------------------|
| Jajpur | Backyard poultry farming                                             | 25 | 50 | 90 | 12 no /farmer         | 25 no/ farmer         | Rs 1800/ cycle | Rs 4000/ cycle  | 100 farmers in nearby areas of KVK visiting KVK for chicks for rearing in backyard. |
| Jajpur | Fodder cultivation                                                   | 25 | 20 | 70 | NA                    | NA                    | NA             | NA              | 7 farmers willing to try fodder cultivation on small scale.                         |
| Jajpur | Economics of livestock and poultry units                             | 25 | 20 | 80 | NA                    | NA                    | NA             | NA              | Farmers showed willingness to maintain records of financial transactions.           |
| Jajpur | Preparation of lowcost weaning mix from cereal, pulses and oil seeds | 25 | 25 | 51 | --                    | --                    | 800/annum      | 3500/annum      | 7 farmwomen willing to try weaning mix as an enterprise in a small scale.           |
| Jajpur | Crop rotation in nutritional garden                                  | 25 | 35 | 55 | 210qtl/ha             | 290qtl/ha             | 37000          | 49000           | 25% raised in income                                                                |
| Jajpur | Care and mgt of backyard poultry (BLACKROCK)                         | 25 | 32 | 67 | 12 no /farmwomen      | 28 no/ farmwomen      | Rs 1800/ cycle | Rs 38000/ cycle | 34farmers in nearby areas of KVK visiting KVK for chicks for rearing in backyard.   |
| Jajpur | Oyster mushroom production (P.Florida)                               | 25 | 15 | 45 | 1.5kg/bed             | 2.1kg/bed             | 75/-/bed       | 120/- bed       | More than 50% of participants have adopted The technology                           |
| Jajpur | Skill development on preparation of papad and masala powder          | 25 | 20 | 58 | 130 packets per annum | 240 packets Per annum | 2600/-         | 42000-          | 8 farmwomen willing to try this as an enterprise in a small scale.                  |

|        |                                                                      |    |    |    |           |                       |         |           |                                                                                                    |
|--------|----------------------------------------------------------------------|----|----|----|-----------|-----------------------|---------|-----------|----------------------------------------------------------------------------------------------------|
| Jajpur | Preparation of pickles by using of oyster mushroom                   | 25 | 30 | 52 | -         | 5kg pickle In aseason | -       | 1500      | 5 farmwomen willing to try this as an enterprise in a small scale.                                 |
| Jajpur | Paddystraw mushroom cultivation                                      | 25 | 20 | 45 | 1.2kg/bed | 1.75kg/bed            | 120/bed | 160/-/bed | 4 farmwomen willing to try this as an enterprise in a small scale.                                 |
| Jajpur | IPM in Paddy                                                         | 25 | 3  | 18 | 35qt/ha   | 41qt                  | 12000   | 18000     | 1. Area expanded (ha): 43<br>2. No. of farmers adopted (no.): 120<br>3. % change in knowledge-20%  |
| Jajpur | Integrated pest management in vegetables (colecrops)                 | 25 | 5  | 11 | 350qt     | 420                   | 30,000  | 45,000    | 1. Area expanded (ha): 4<br>2. No. of farmers adopted (no.): 112<br>3. % change in knowledge-15%   |
| Jajpur | IPM in vegetables (white fly)                                        | 25 | 4  | 14 | 200       | 250                   | 34000   | 45000     | 1. Area expanded (ha): 25<br>2. No. of farmers adopted (no.): 220<br>3. % change in knowledge-12%  |
| Jajpur | IPM in oil seed and pulse                                            | 25 | 4  | 15 | 4qt       | 9.5qt                 | 8000    | 13500     | 1. Area expanded (ha): 23<br>2. No. of farmers adopted (no.): 210<br>3. % change in knowledge-18%  |
| Jajpur | IPM in Sugarcane                                                     | 25 | 2  | 10 | 65        | 105                   | 45000   | 80000     | 1. Area expanded (ha): 25<br>2. No. of farmers adopted (no.): 200<br>3. % change in knowledge-20%  |
| Jajpur | Chemical weed control in kharif paddy                                | 25 | 4  | 10 | 39.2      | 45.8                  | 18400   | 28500     | 1.Area expanded (ha): 25<br>2.No. of farmers adopted (no.): 210<br>3. % change in knowledge-23%    |
| Jajpur | Recycling farm waste for sustaining production                       | 25 | 3  | 9  | 40.1      | 45.5                  | 18200   | 29251     | 1. Area expanded (ha): 5<br>2. No. of farmers adopted (no.): 50<br>3. 3. % change in knowledge-25% |
| Jajpur | Micronutrient deficiencies and its control measures in oil seed crop | 25 | 2  | 10 | 13.5      | 15.6                  | 23900   | 31400     | 1. Area expanded (ha): 35<br>2. No. of farmers adopted (no.): 55<br>3. % change in knowledge-25%   |

|        |                                                          |    |   |    |      |      |       |       |                                                                                                                       |
|--------|----------------------------------------------------------|----|---|----|------|------|-------|-------|-----------------------------------------------------------------------------------------------------------------------|
| Jajpur | Management of acid soil for sustainable crop production  | 25 | 4 | 10 | 16.2 | 20.5 | 30600 | 45500 | <b>1. Area expanded (ha): 43</b><br><b>2. No. of farmers adopted (no.): 80</b><br><b>3. % change in knowledge-23%</b> |
| Jajpur | Bio fertilizer and their application in solanaceous crop | 25 | 5 | 10 | 262  | 305  | 73900 | 97750 | <b>1. Area expanded (ha): 13</b><br><b>2. No. of farmers adopted (no.): 30</b><br><b>3. % change in knowledge-20%</b> |

## 6. EXTENSION ACTIVITIES

| Name of the KVK | Activity              | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants |     |                 |     |                     |    | Remarks                 |                                                                                                        |                  |
|-----------------|-----------------------|------------------------------|------------------------------|------------------------|-----|-----------------|-----|---------------------|----|-------------------------|--------------------------------------------------------------------------------------------------------|------------------|
|                 |                       |                              |                              | Farmers (Others)       |     | SC/ST (Farmers) |     | Extension Officials |    | Purpose                 | Topic s                                                                                                | Crop Stages      |
|                 |                       |                              |                              | M                      | F   | M               | F   | M                   | F  |                         |                                                                                                        |                  |
| Jajpur          | Field Day             | 15                           | 10                           | 150                    | 105 | 25              | 20  | 10                  | 10 | Diffusion of technology | Flower production , Groundnut cultivation ,weedcide application,Onion,Poultry rearing,ICM in Greengran | Harvesting stage |
| Jajpur          | Kisan Mela            | 2                            | 1                            | 410                    | 75  | 65              | 45  | 70                  | 35 | Diffusion of technology | INM,IPM IFS,HONEY BEE, FARM MECHANISATION                                                              | HARVESTING       |
| Jajpur          | Kisan Ghosthi         | 12                           | 9                            | 45                     | 25  | 70              | 40  | 1                   | 1  | Diffusion of technology | INM and ICM IPM, Bio control                                                                           | Different stage  |
| Jajpur          | Exhibition            | 5                            | 4                            | 410                    | 175 | 265             | 45  | 40                  | 15 | Diffusion of technology | INM and ICM IPM, Bio control                                                                           | -                |
| Jajpur          | Film Show             | 90                           | 77                           | 1120                   | 340 | 655             | 265 | 15                  | 12 | Diffusion of technology | INM and ICM IPM, Bio control                                                                           | -                |
| Jajpur          | Method Demonstrations | 15                           | 13                           | 55                     | 30  | 45              | 1   | 1                   | 1  | Diffusion of technology | INM and ICM IPM, Bio                                                                                   | All              |

| Name of the KVK | Activity                               | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants |    |                 |    |                     |    | Remarks                                     |                                      |                 |
|-----------------|----------------------------------------|------------------------------|------------------------------|------------------------|----|-----------------|----|---------------------|----|---------------------------------------------|--------------------------------------|-----------------|
|                 |                                        |                              |                              | Farmers (Others)       |    | SC/ST (Farmers) |    | Extension Officials |    |                                             |                                      |                 |
|                 |                                        |                              |                              | M                      | F  | M               | F  | M                   | F  | Purpose                                     | Topic s                              | Crop Stages     |
|                 |                                        |                              |                              |                        |    |                 |    |                     |    |                                             | control                              | stage           |
| Jajpur          | Farmers Seminar                        | 3                            | 3                            | 54                     | 35 | 50              | 2  | 6                   | 3  | Diffusion of technology                     | INM and ICM IPM, Bio control         | All stage       |
| Jajpur          | Workshop                               | 3                            | 3                            | 75                     | 15 | 30              | 5  | 12                  | 13 | Diffusion of technology                     | INM and ICM IPM, Bio control         | Harvesting      |
| Jajpur          | Group meetings                         | 9                            | 9                            | 55                     | 14 | 45              | 11 | 0                   | 0  | Diffusion of technology                     | INM and ICM IPM, Bio control         | All stage       |
| Jajpur          | Lectures delivered as resource persons | 13                           | 25                           | 125                    | 55 | 75              | 20 | 15                  | 9  | Diffusion of technology                     | INM and ICM IPM, drudgery reductionl | All stage       |
| Jajpur          | Newspaper coverage                     | 20                           | 10                           | -                      | -  | -               | -  | -                   | -  | Diffusion of technology                     | INM and ICM IPM, farm mechanisation  | All stage       |
| Jajpur          | Radio talks                            | 10                           | 2                            | -                      | -  | -               | -  | -                   | -  | Diffusion of technology                     | INM and ICM                          |                 |
| Jajpur          | TV talks                               | 50                           | 25                           | -                      | -  | -               | -  | -                   | -  | Diffusion of technology                     | INM and ICM IPM, Bio control         | -               |
| Jajpur          | Popular articles                       | 15                           | 5                            | -                      | -  | -               | -  | -                   | -  | Diffusion of technology                     | INM and ICM IPM, Bio control         | -               |
| Jajpur          | Extension Literature                   | 14                           | 10                           | -                      | -  | -               | -  | -                   | -  | Diffusion of technology                     | INM and ICM IPM, Bio control         | All stage       |
| Jajpur          | Farm advisory Services                 | 200                          | 355                          | 125                    | 55 | 110             | 65 | -                   | -  | Diffusion of technology                     | INM and ICM IPM, drudgery reductionl | All stage       |
| Jajpur          | Scientific visit to farmers field      | 360                          | 425                          | 220                    | 45 | 155             | 5  | -                   | -  | Diffusion of technology                     | INM and ICM IPM, Bio control         | All stage       |
| Jajpur          | Farmers visit to KVK                   | 1000                         | 1234                         | 755                    | 85 | 330             | 49 | 12                  | 3  | Getting knowledge and solving field problem | INM and ICM IPM, Bio control         | All stage       |
| Jajpur          | Diagnostic visits                      | 145                          | 145                          | 10                     | -  | 15              | -  | -                   | -  | Field survey and solve problem              | INM and ICM IPM, drudgery reductionl | All stage       |
| Jajpur          | Exposure visits                        | 3                            | 3                            | 12                     | 3  | 15              | 15 | -                   | -  | Diffusion of technology                     | INM and ICM IPM, Bio control         | Different stage |
| Jajpur          | Ex-trainees Sammelan                   | 2                            | 1                            | 20                     | -  | 5               | -  | 5                   | 3  | Upgrading of knowledge                      | INM and ICM IPM, drudgery reductionl | All stage       |
| Jajpur          | Soil health Camp                       | 2                            | 1                            | 45                     | 5  | 15              | 10 | 2                   | -  | Awareness                                   | Soil health                          | Initial stage   |
| Jajpur          | Animal Health Camp                     | 1                            | 1                            | 18                     | 2  | 23              | 7  | 6                   | 0  | General health care                         | Disease mgmt.                        | All age         |

| Name of the KVK | Activity                                              | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants |     |                 |    |                     |   | Remarks   |                                  |              |
|-----------------|-------------------------------------------------------|------------------------------|------------------------------|------------------------|-----|-----------------|----|---------------------|---|-----------|----------------------------------|--------------|
|                 |                                                       |                              |                              | Farmers (Others)       |     | SC/ST (Farmers) |    | Extension Officials |   |           |                                  |              |
|                 |                                                       |                              |                              | M                      | F   | M               | F  | M                   | F | Purpose   | Topic s                          | Crop Stages  |
|                 |                                                       |                              |                              |                        |     |                 |    |                     |   |           |                                  | group stages |
| Jajpur          | Agri mobile clinic                                    | -                            | -                            | 1                      | 1   | 1               | 1  | 1                   | 1 | -         | -                                | -            |
| Jajpur          | Soil test campaigns                                   | 3                            | -                            | -                      | -   | -               | -  | -                   | - | -         | -                                | -            |
| Jajpur          | Farm Science Club conveners meet                      | 13                           | 13                           | 40                     | 5   | 10              | 5  | 3                   | - | Awareness | Sharing of knowledge             | -            |
| Jajpur          | Self Help Group conveners meetings                    | 6                            | 63                           | 30                     | 22  | -               | 3  | -                   | - | Awareness | Sharing of knowledge             | -            |
| Jajpur          | Mahila Mandals conveners meetings                     | -                            | 1                            | -                      | 35  | -               | 15 | -                   | 5 | Awareness | Sharing of knowledge             | -            |
| Jajpur          | Celebration of important days (World environment day) | 2                            | 4                            | 230                    | 120 | 185             | 64 | 5                   | 1 | Awareness | Experience sharing on technology | -            |

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

### 8.11. KVK Newsletters

| KVK Name | Date of start                 | Periodicity | Number of copies printed | Number of copies distributed |
|----------|-------------------------------|-------------|--------------------------|------------------------------|
| Jajpur   | April 2013 to June 2013       | Quarterly   | 500                      | 500                          |
| Jajpur   | July 2013 to September 2013   | Quarterly   | 500                      | 500                          |
| Jajpur   | October 2013 to December 2013 | Quarterly   | 500                      | 500                          |
| Jajpur   | January 2014 to March 2014    | Quarterly   | 500                      | 500                          |

### 8.12. Literature developed/published

| KVK Name | Type    | Title                                       | Author's name                   | Number of copies |
|----------|---------|---------------------------------------------|---------------------------------|------------------|
| Jajpur   | Booklet | Unnata padhatire labhajanka genduphul chasa | Anita Mohanty & D. Patra        | 500              |
| Jajpur   | Booklet | Dhanashasare unnata jantrapatira byabahara  | B.L. Mohanta                    | 500              |
| Jajpur   | Booklet | Kadalichasare Bunda jalasechana             | A.Mohanty & Bijayalaxmi Mohanta | 1000             |

|               |                 |                                                                                                                |                                 |                                                                                                                            |
|---------------|-----------------|----------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Jajpur</b> | Booklet         | Samasya Bahula mrutika o ehar parichalana                                                                      | S.Dash & Anita Mohanty          | 500                                                                                                                        |
| <b>Jajpur</b> | Booklet         | Atmanijuktupain chhatu chasa                                                                                   | Dharitir Patra & Anita Mohanty  | 1000                                                                                                                       |
| <b>Jajpur</b> | Booklet         | Baigyanika pranalire biri chasa                                                                                | B.K. Routray & S. Dash          | 1000                                                                                                                       |
| <b>Jajpur</b> | Booklet         | Labhajanak bataka palana                                                                                       | Dr. P.K.Padhi & D. Patra        | 1000                                                                                                                       |
| <b>Jajpur</b> | Paper presented | Enhancing crop productivity through farm mechanization                                                         | B.L. Mohanta                    | Presented in 48 <sup>th</sup> annual convention cum symposium of ISAE during 21 <sup>st</sup> to 23 <sup>rd</sup> Feb 2014 |
| <b>Jajpur</b> | Paper published | Optimization of process parameters for cooking of rasogolla – an Indian dairy product in atmospheric condition | B.L. Mohanta & S.L. Shrivastava | Published in Asia Pacific Journal of Research vol. I, Issue XI, march 2014                                                 |

### 7.3 Details of Electronic Media Produced

| <b>KVK Name</b> | <b>Type of media (CD / VCD / DVD / Audio-Cassette)</b> | <b>Title of the programme</b>                                   | <b>Number</b> |
|-----------------|--------------------------------------------------------|-----------------------------------------------------------------|---------------|
| <b>Jajpur</b>   | <b>DVD</b>                                             | <b>Farmers fair and farmers scientist interaction programme</b> | <b>1</b>      |

## 8. Production and supply of Technological products

### 8.1 SEED production

| <b>KVK Name</b> | <b>Major group/class</b> | <b>Crop</b> | <b>Variety</b> | <b>Quantity (qt.)</b> | <b>Value (Rs.)</b> | <b>Provided to No. of Farmers</b> | <b>Expected area coverage (ha.)</b> |
|-----------------|--------------------------|-------------|----------------|-----------------------|--------------------|-----------------------------------|-------------------------------------|
| Jajpur          | Foundation               | Paddy       | Pooja          | 77.4                  | 177246             | Handed over to OSSC               | 1548                                |
| Jajpur          | Foundation               | Paddy       | MTU-7029       | 75.4                  | 172666             | Handed over to OSSC               | 1508                                |
| Jajpur          | Foundation               | Paddy       | SAHBHAGIDHAN   | 28.5                  | 50000              | Handed over to OSSC               | 570                                 |

### 8.2 Planting Material production

| KVK Name | Major group/class | Crop        | Variety          | Nos.   | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|----------|-------------------|-------------|------------------|--------|-------------|----------------------------|------------------------------|
| Jajpur   | Seedling          | Tuberose    | Pearl(double)    | 2000   |             | 6                          | -                            |
| Jajpur   | Seedling          | Marigold    | Seracole         | 10000  |             | 3                          | -                            |
| Jajpur   | Seedling          | Chilli      | Utkal rashmi     | 23000  |             | 6                          | -                            |
| Jajpur   | Seedling          | Brinjal     | Greenstar long   | 15000  |             | 6                          | -                            |
| Jajpur   | Seedling          | Papaya      | Red lady         | 600    |             | 2                          | -                            |
| Jajpur   | Seedling          | Cauliflower | Synthetic -1     | 4000   |             | 5                          | -                            |
| Jajpur   | Seedling          | Drumstick   | PKM-1            | 100    |             | 15                         | -                            |
| Jajpur   | Seedling          | Capsicum    | Californiawonder | 5000   |             | 13                         | -                            |
| Jajpur   | Seedling          | Onion       | ALFR             | 40000  |             | 13                         | --                           |
| Jajpur   | Seedling          | Papaya      | Surya            | 300    |             | 10                         | -                            |
|          |                   |             |                  | 100000 | 34500       | 79                         | 6 ha                         |

### 8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) \* Name of product should follow same pattern and spelled correct

| KVK Name | Major Group Bio agent/Bio fertilizers/Bio Pesticides | Name of the Product | Qty (In Kg) | Qty (In No) | Value (Rs.) | Provided to No. of Farmers | Expected area coverage (ha.) |
|----------|------------------------------------------------------|---------------------|-------------|-------------|-------------|----------------------------|------------------------------|
| Jajpur   | Bio fertilizer                                       | Vermi compost       | 8qt (800kg) |             | 4000        | 10                         | 0.4ha                        |

### 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 |
|----------|--------------------------------------|-------------------------------------------|------------------|----------------------|-------------|----------------------|
| Jajpur   | Chicken                              | Vanaraja, blackrock, rainbow rooster, RIR | Developed chicks | 4700 no              | 121000      | 170                  |
| Jajpur   | Fish                                 | Indian major carps                        | Table fish       | Continuing           |             |                      |

## 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) |
|----------|--------------------------------|-----------------------|-------------|----------------|----------------|-----------------|-----------------|----------------------------------------------|
| Jajpur   | Functional                     | June 2013             | Soil sample | 1005           | 1005           | 21              | 5025            | 1005                                         |

### 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) |
|----------|--------------------------------|-----------------------|---------|----------------|----------------|-----------------|-----------------|-----------------------------------------------|
| Jajpur   | NA                             | NA                    | NA      | NA             | NA             | NA              | NA              | NA                                            |

## 10. Rainwater Harvesting

### Training programmes conducted by using Rainwater Harvesting Demonstration Unit

| Name of KVK | Date | Title of the training course | Client (PF/RV/EF) | No. of Courses | No. of Participants including SC/ST |        |       | No. of SC/ST Participants |        |       |
|-------------|------|------------------------------|-------------------|----------------|-------------------------------------|--------|-------|---------------------------|--------|-------|
|             |      |                              |                   |                | Male                                | Female | Total | Male                      | Female | Total |
| Jajpur      | NA   | NA                           | NA                | NA             | NA                                  | NA     | NA    | NA                        | NA     | 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) |
|----------|----------|------|-------------------------------------------------------------------|----------------------|------------------------|----------------------------|--------------------------------|---------------------------------------|
| Jajpur   | February | 2014 | Integrated Nutrient and Pest management in Fruits and vegetables. | 2                    | 25                     | 2                          | NA                             | 25 nos                                |
| Jajpur   | March    | 2014 | Integrated Nutrient and Pest management in Fruits and vegetables. | 2                    | 25                     | 2                          | NA                             | 25 nos                                |

## 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      |
|----------|----------------------|-------------------|--------------------------|------------------------|------------------------------------------|
| Jajpur   | 2010                 | 2012              | 2                        | 0                      | Old quarters are not habitable condition |

## 13. Details of SAC Meeting

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations                                                                                                                                                                                                                                                              |
|----------|---------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jajpur   | 17.07.2013          | 31                          | 1. Mineral mapping of forage in mining area for preventing Toxocosis and accurate mineral supplement recommendation.                                                                                                                                                               |
| Jajpur   |                     |                             | 2. Popularisation of improved varieties of poultry bird among farmers.                                                                                                                                                                                                             |
| Jajpur   |                     |                             | 3. Value addition of fruit, vegetable and mushroom to be taken extensively by SMS(Hort) and SMS(H.Sc.0                                                                                                                                                                             |
| Jajpur   |                     |                             | 4. Green gram variety SML-668 of should be horizontally spread among the farming community.                                                                                                                                                                                        |
| Jajpur   |                     |                             | 5. Quality seed, seedling and planting materials should be produced at KVK and farmers should be trained up to take seed production programme in the own field.                                                                                                                    |
| Jajpur   |                     |                             | 6. Popularisation of Bio-agents for control of major pest of sugarcane, paddy and vegetable in the district. Project proposal may be submitted for the establishment of Bio control Unit at KVK. Two thousand nos of Bio-agent materials should be supplied by KVK to the farmers. |
| Jajpur   |                     |                             | 7. The farmers should be regularly updated with recent technologies through KMAS being finalized after discussing with DDA.                                                                                                                                                        |
| Jajpur   |                     |                             | 8. Popularisation of farm mechanization in the district to be extended in larger scale.                                                                                                                                                                                            |

## 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. |                                               |                                                                                    |
| Jajpur   | 165                  | 800                | 115        | Omega telesolution                            | Pest and Disease management, Nutrient management, Production management, Awareness |

### 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                                                                                                                                                                                                              |
|----------|-------------------------|--------------------------------|----------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jajpur   | ATMA                    | State                          | 70,000               | Farmers fair cum Farmers scientist interaction programme                                                   | Niladeipur Block-Dharmasala,jajpur                                                          | Sj. Kalpataru Das Hon/ble Minister Panchayata Raj and parliament affairs Prof. S.S. Nanda from DEE, OUAT, DDA, Jajpur, AGM NABARD officers of line department, 700 nos farmers farm women members of NGO, SSHG group |
| Jajpur   | NFSM                    | State                          | -                    | Cost structure of demonstration Monitoring and training to the farmers , field visit and field day attend  | Jajpur district (Block-Badachana,Dharmasala, Rasulpur , jajpur and Danagadi Sukinda) 1700ha | Enhancement of productivity in pulse crop through crop management practices                                                                                                                                          |
| Jajpur   | RKVY(BGREI)             | State                          | -                    | Cost structure of demonstration ,Monitoring and training to the farmers , field visit and field day attend | Jajpur district (Block-Danagadi,Sukinda ,Korei, Jajpur,Binjharpur,Rasulpur & Dasarathpur)   | 5000ha , crop cutting report obtained yield 63QT/ha                                                                                                                                                                  |
| Jajpur   | RKVY                    | State                          | -                    | -                                                                                                          | -                                                                                           | Construction of KVK boundary wall, borewell                                                                                                                                                                          |
| Jajpur   | Directorat of CID - PIM | State                          | -                    | Panipanchyat fort night                                                                                    | Jajpur district (Block-Badachana,Dharmasala, Rasulpur , jajpur and Danagadi Sukinda)        | Awarness programme on water management, loss of water                                                                                                                                                                |
| Jajpur   | KVK                     | District                       | -                    | Celebration of technological week                                                                          | Jajpur district (Block-Badachana,Dharmasala, Rasulpur , jajpur and Danagadi Sukinda)        | Awarness programme on road show,demonstration ,field visit                                                                                                                                                           |

## 16. Status of Revolving Funds (Rs.)

| KVK Name | Account No. | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|----------|-------------|-----------------------|-----------------------|----------------------|
| Jajpur   | 32039806804 | 69,601                | 1,47,516              | 1,47,516             |

## 17. Awards & Recognitions

| KVK Name | Name of award /awardee           | Type of award (Ind./Group/Inst./Farmer) | Awarding Organizations | Amount received |
|----------|----------------------------------|-----------------------------------------|------------------------|-----------------|
| Jajpur   | Mr. Priyabrata Biswal            | Ind                                     | OUAT                   | Certificate     |
| Jajpur   | Mr.Kishorekant Rout              | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Mrs. Gitanjali Behera            | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Madan mohan Samal                | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Chaudhury Ratikanta Raymohapatra | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Jitumitra Das                    | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Biswanath Munduri                | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Lalmohan Mahanta                 | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Nalini Kanta Sarangi             | Ind                                     | KVK                    | Certificate     |
| Jajpur   | Dhaneswar Rout                   | Ind                                     | KVK                    | Certificate     |

## 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.) |
|--------|-------------|--------------------------------------------|---------------------------------------------------|
| 1      | Jajpur      | Yes                                        | ZPD,Tweleth plan                                  |

### b) Details about Technology Park

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

**c). Crop Cafeteria-**

| Sr. No. | Theme of Crop Cafeteria                                                                                         | No. of Crop Cafeteria |
|---------|-----------------------------------------------------------------------------------------------------------------|-----------------------|
|         | Demonstration on different latest high value ,hybrid different variety and different crops through out the year | 01                    |

**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       | Jajpur      | Kishorekanta Rout      | Direct seeded paddy by using drum seeder                                                    | Achyutpur,Dharmasala9437411977        |
| 2       | Jajpur      | Bata Pradhan           |                                                                                             | Rambhadeipur,Barchana9938206842       |
| 3       | Jajpur      | Basant ku. Naik        | Stem borer control in brinjal by applying the extract of neem bark and cowdung (2:3).       | Dulakpatna,Korei,8895124232           |
| 4       | Jajpur      | Deberndra Rout         | Control of leaf blight in vegetable by applying mixture of fresh cow urine and cowdung(1;1) | Hatkaranda,barachana,9658081383       |
| 5       | Jajpur      | Pramila Jena           | Production of paddy straw mushroom in winter season by double covering gunnybags.           | Barapada,Barchana9439954013           |
| 6       | Jajpur      | Gitanjali Behera       | Indigenous method for paneer preparation                                                    | Khairabad,Rasulpur                    |
| 7       | Jajpur      | Mahendra Sahu          | Planted parwal in forrow system and one way trailing.                                       | Thengana,Bari,9439101170              |
| 8       | Jajpur      | Pradynna Patra         | Control of Gandhibugs in rice field by installing KARDAs branches                           | Badasila,Barchana,9658322638          |
| 9       | Jajpur      | Sabita Nanda           | Storage of pumpkin by applying freshcowdung.and mud                                         | Chhatia,Barchana                      |
| 10      | Jajpur      | Ganeswar Sahu          | Organic fertilizer preparation in ITK method                                                | Hatkaranda,Barchana,9658758551        |

## 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.      | 13.05.2013 ( Akshy trutiya)                                      | 24Nos                                         |
| 2       | 24.08.2013 (Foundation day)                                      | 109 Nos                                       |
| 3       | 26.11.2013 to 27.11.2013 (CRRI)                                  | 100 Nos                                       |
| 4       | 04.12.2013 ( Womens day)                                         | 42 Nos                                        |
| 5       | 20.12.2013 (Farmer scientist interaction in KVK)                 | 50 Nos                                        |
| 6       | 17.01.14 ( panipanchtyat pakshya palan, Rudhia)                  | 50 Nos.                                       |
| 7       | 17.01.2014 ( Farmers fair)                                       | 347 Nos                                       |
| 8       | 11.02.2014 (District Mohostav)                                   | 50 Nos                                        |
| 9       | 26.02.14-28.2.14 ( CRRI)                                         | 200 Nos                                       |

## 21. Outreach of KVK

| Name of KVK | Number of Blocks |           | Number of Villages |           |
|-------------|------------------|-----------|--------------------|-----------|
|             | Intensive        | Extensive | Intensive          | Extensive |
| Jajpur      | 5                | 10        | 18                 | 39        |

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and 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 |
|---------|---------------------------------------------|--------------------------|-----------------------------|--------------------------|
|         | NA                                          | NA                       | NA                          | NA                       |

## 23. KVK Ring

| Sr. No. | Name of Ring Partner | Sharing Activity           | Lessons learnt/ Experiences gained. |
|---------|----------------------|----------------------------|-------------------------------------|
| 1       | KVK Santhapur(CRRI)  | Exchange of idea, manpower | Experiences gained.                 |
| 2       | KVK, Kendrapara      | Exchange of idea ,manpower | Experiences gained.                 |

## 24. Important visitors to KVK

| Name of KVK | Name of Visitor                                                          | Date of Visit | ICAR | SAUs | Others | Remarks                                                                          |
|-------------|--------------------------------------------------------------------------|---------------|------|------|--------|----------------------------------------------------------------------------------|
| Jajpur      | Prof.Monoranjan Kar Hon'ble Vice chancellor OUAT                         | 19.7.2013     |      | SAU  | -      | Attended SAC meeting                                                             |
| Jajpur      | Prof. S.S. Nanda DEE,OUAT BBSR                                           | 19.7.2013     |      | SAU  | -      | Attended SAC meeting                                                             |
| Jajpur      | Prof.Monoranjan Kar Hon'ble Vice chancellor OUAT                         |               |      | SAU  | -      | KVK Visit                                                                        |
| Jajpur      | Dr. S.R.K. Singh Senior Scientist ICAR                                   | 23.11.2013    | ICAR | -    | -      | Review activity of KVK and field visit to adopted village.                       |
| Jajpur      | Sj. Amarprasad Satapathy, Hon'ble Member of Legislative Assembly, Odisha | 18.12.2013    |      |      | Others | Sensitization workshop on different scheme of agriculture & allied sectors(ATMA) |
| Jajpur      | Prof. S.S. Nanda DEE,OUAT BBSR                                           | 17.01.2014    |      | SAU  | -      | Farmers fair                                                                     |
| Jajpur      | Hon'ble .Minister Sj.Kalpataru Dash Panchaytraj &Parliamentary Affairs   | 17.01.2014    |      |      | Others | Farmers fair                                                                     |

## 25. Status of KVK Website:

| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
|---------|-------------|--------------------------|--------------------------------|-----------------|
| 1       | Jajpur      | 2010                     | 8                              | 115             |

## 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 |                                 |                    |         |
| Jajpur      | NA                                                | NA                    | NA                            | NA                             | NA                              | NA                 | NA      |

## 27. Status of RTI

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

## 28. Status of Citizen Charter

| Sr. No. | Name of KVK | Query received( Nos) | Query Disposed( Nos) | Remarks |
|---------|-------------|----------------------|----------------------|---------|
|         | Jajpur      | 763                  | 763                  | -       |

## 29. Attended HRD Programmes organized by ZPD

| Name of KVK | Name of Staff | Post held       | Programme attended (Nos)                                                 | Remarks      |
|-------------|---------------|-----------------|--------------------------------------------------------------------------|--------------|
| Jajpur      | Dr.P.K. Padhi | Programme Asst. | 26.07.13 to 27.07.13<br>Training cum animal science workshop at Jabalpur | Participated |
|             | <b>Total</b>  | <b>1</b>        | <b>1</b>                                                                 |              |

| Name of KVK | Total Number of staff Attended HRD Programme organized by ZPD (nos) | Total Number of Programme attended (Nos) |
|-------------|---------------------------------------------------------------------|------------------------------------------|
| Jajpur      | 1                                                                   | 1                                        |

## 30. Attended HRD Programmes organized by DES

| Name of KVK | Name of Staff                | Post held             | Programme attended (Nos)                                | Remarks  |
|-------------|------------------------------|-----------------------|---------------------------------------------------------|----------|
| Jajpur      | Dr.(Mrs.) Tilottama Pattnaik | Programme Coordinator | Orientation training programme 6.12.13 to 7.12.13       | Attended |
| Jajpur      | Mrs. A.Mohanty               | SMS(Horticulture)     | 27.12.13 to 28.12.13<br>Orientation training programme  | Attended |
| Jajpur      | Mrs. B.L. Mohanta            | SMS(Agril. Engg.)     | 26.12.13 and 28.12.13<br>orientation training programme | Attended |
| Jajpur      | Mr. B.K. Routray             | SMS(PP)               | 23.12.13 to 24.12.13<br>Orientation training programme  | Attended |
| Jajpur      | Mr. B.C. Swain               | Farm Manager          | 12.03.14 Orientaiton training programme                 | Attended |
| Jajpur      | Mrs. D.Patra                 | SMS(Home Sc.)         | 18.03.14 to 19.03.14<br>Orientation training            | Attended |

|               |                       |                       |                                                                |                 |
|---------------|-----------------------|-----------------------|----------------------------------------------------------------|-----------------|
|               |                       |                       | <b>Programme</b>                                               |                 |
| <b>Jajpur</b> | <b>Mr. S.Dash</b>     | <b>SMS(Soil Sc.)</b>  | <b>20.03.14 to 22.03.14<br/>Orientation training programme</b> | <b>Attended</b> |
| <b>Jajpur</b> | <b>Dr. P.K. Padhi</b> | <b>Programe Asst.</b> | <b>16.01.14 to 17.01.14<br/>Orientation training programme</b> | <b>Attended</b> |

|                    |                                                                             |                                                  |
|--------------------|-----------------------------------------------------------------------------|--------------------------------------------------|
| <b>Name of KVK</b> | <b>Total Number of staff Attended HRD Programmes organized by DES (nos)</b> | <b>Total Number of Programmes attended (Nos)</b> |
| <b>Jajpur</b>      | <b>8</b>                                                                    | <b>8</b>                                         |

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

| <b>Name of KVK</b> | <b>Name of Staff</b>    | <b>Post held</b>         | <b>Programmes attended (Nos)</b> | <b>Remarks</b>                                                                                                                      |
|--------------------|-------------------------|--------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Jajpur</b>      | <b>Mrs. A.Mohanty</b>   | <b>SMS(Horticulture)</b> | <b>1</b>                         | <b>Summer training “Bio drainage for reclamation of water logging in high rainfall deltaic areas” during 07.05.13 to 27.05.13</b>   |
| <b>Jajpur</b>      | <b>Mr. B.K. Routray</b> | <b>SMS(PP)</b>           | <b>1</b>                         | <b>“New Horizons in biotic stress management in Rice under changing climate Scenario”<br/>CRRI Cuttack<br/>10.09.13 to 30.09.13</b> |

|                    |                                                                         |                                                  |
|--------------------|-------------------------------------------------------------------------|--------------------------------------------------|
| <b>Name of KVK</b> | <b>Total Number of staff Attended HRD Programmes by KVK staff (nos)</b> | <b>Total Number of Programmes attended (Nos)</b> |
|                    | <b>2</b>                                                                | <b>2</b>                                         |

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

| <b>Name of KVK</b> | <b>Alert observed</b> | <b>Particulars</b> | <b>Reported to organization</b>        |
|--------------------|-----------------------|--------------------|----------------------------------------|
| <b>Jajpur</b>      | <b>11.10.2013</b>     | <b>Phyline</b>     | <b>SAU, &amp; District Agril dept.</b> |

### 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Name of KVK | Types of Activities                           | No. of Activities | Number of Participants | Related crop/livestock technology                                                 |
|-------------|-----------------------------------------------|-------------------|------------------------|-----------------------------------------------------------------------------------|
| Jajpur      | Method demonstration (Axcial flow thresher)   | 01                | 50                     | Paddy                                                                             |
| Jajpur      | Road show                                     | 01                | 110                    | Awareness programme on agriculture in allied sector                               |
| Jajpur      | Scientist farmer interaction programme        | 01                | 50                     | Convergences                                                                      |
| Jajpur      | Awareness programme on deworming in goat kids | 01                | 30                     | Related goat                                                                      |
| Jajpur      | field visit                                   | 05                | 50                     | Pig rearing, floriculture unit, planting material production unit, Groundnut area |

### 34. INTERVENTIONS ON DROUGHT MITIGATION

#### Introduction of alternate crops/varieties

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

#### Major area coverage under alternate crops/varieties

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

#### Farmers-scientists interaction on livestock management

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

#### Animal health camps organized

| Name of KVK | Number of camps | No.of animals | No.of farmers |
|-------------|-----------------|---------------|---------------|
| Jajpur      | 1               | 182           | 50            |

**Seed distribution in drought hit states**

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

**Seedlings and Saplings distributed**

| Name of KVK      | Crops | Quantity (No.s) | Coverage of area (ha) | Number of farmers |
|------------------|-------|-----------------|-----------------------|-------------------|
| <b>Seedlings</b> |       |                 |                       |                   |
| Jajpur           | NA    | NA              | NA                    | NA                |

**Bio-control Agents**

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

**Bio-Fertilizer**

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

**Verns Produced**

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

**Large scale adoption of resource conservation technologies**

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

**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 |
| Jajpur      | NA       | NA             | NA       | NA             | NA         | NA             | NA           | NA             | NA         | NA             | NA        | NA             |

## 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 |
|--------------------|--------------|------------|-------|-------------------|---------------------------|
| NA                 | NA           | NA         | NA    | NA                | NA                        |

### 37. Proposed Extension Activities in NICRA Village

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

### 37. Proposed Training Activities in NICRA Village

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

### 37. Proposed Activities for Fodder Bank

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

### 37. Proposed Activities for Seed Bank

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

### 6. Public Representative/District Administration Visited in NICRA Village

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

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

### 36. Proposed works under NAIP (in NAIP monitoring format)-NA

### 37. Case study / Success Story to be developed – Two best only in the following format

Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

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

## SUCCESS STORY ON FLOWER CULTIVATION



|                                                                                               |                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Name of the Enterprise / Crop                                                               | Flower and fruit cultivation                                                                                                                                                     |
| 2. Name of the Farmer                                                                         | <b>Rashmi ranjan Rout</b>                                                                                                                                                        |
| 3. Address-                                                                                   | Village- Dihakuransa<br>Block- Rasulpur, Dist Jajpur, Odisha<br>Phone-9090494407                                                                                                 |
| 4. Initial status / Practice of farmer before KVK intervention-                               | He wanted to find a better way to get answers to his pressing family needs as he could hardly get opportunity to earn income through paddy farming .                             |
| 5. KVK Intervention                                                                           | Skill oriented training , Field demonstartion and develop market linkage, utilizing waste land ,and update knowledge on commercial cultivation of flower and Banana.             |
| 6. Innovative extension approach & methodology adopted for implementation of KVK intervention | Capacity building programme for income generation activities like (Market –led approach, forward market linkage , linkage to flower producers in districts etc.)                 |
| 7. Adoption of improved practice by the farmers after KVK intervention                        | Use of quality planting material of recommended varieties, scientific method of flower cultivation through out the year, technology for production of quality planting material. |

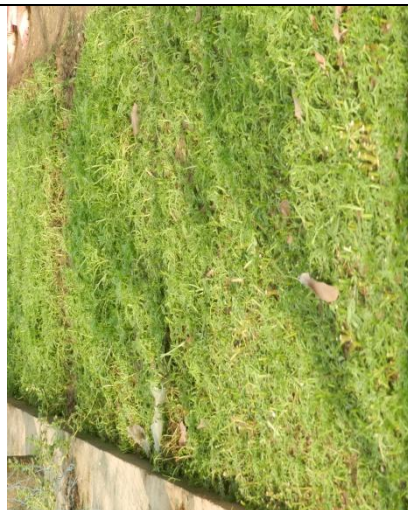
### 8. Physical / Financial development over previous practice

| Sl No | Type of enterprise           | Area/ Nos                                                                                                                 | Expenditure(Rs)/ Annum                                                                                                                            | Income / Annum  | Net Profit(Rs) / Annum |
|-------|------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------|
| 1     | Flower cultivation           | <ul style="list-style-type: none"> <li>1 hectare(Rabi season)</li> <li>0.4 hectare ((Summer and Kharif season)</li> </ul> | (i)In rabi season- 1,24,750<br>(ii) Preparation of cutting(100,000 nos)- Rs13600<br>(iii)In Summer season -45,570<br>(iii)In kharif season-47,250 | Rs.4,08,670     | Rs.177500              |
| 2     | Others<br>Banana cultivation | 1 hectare                                                                                                                 | 264700                                                                                                                                            | Rs.4,05,000     | Rs.140300              |
|       | <b>Total</b>                 |                                                                                                                           | <b>495870</b>                                                                                                                                     | <b>8,13,670</b> | <b>317800</b>          |

## 7. Action Photographs



**Flower cultivation**



**Raising Seedlings**



**Banana cultivation**



**10. Farmer's Reaction & Feedback:** In jajpur district the farmers were not interested to adopt commercial cultivation of flower, but with the success of Mr. Rashmi ranjan Rout, many farmers show their interest.

**11. Extent of Diffusion :** He has motivated other farmer (around 39) and mobilized them for taking up entrepreneurship activities on flower cultivation and also provided employment to women in his enterprises.

**12. Follow up action:** Diagnostic field visit by Scientists of KVK, linking his enterprise with other farmers of the district and forward market link.

**Impact on other farmers:** Now he is a successful entrepreneur and became a role model to other farmer in the village as well as other villages.

### SUCCESSFUL STORY ON NURSERY RAISING



|                                                                                               |                                                                                                                                  |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1 Name of the Enterprise / Crop                                                               | Nursery raising for income generation                                                                                            |
| 2. Name of the Farmer                                                                         | <b>Ajaya Naik</b>                                                                                                                |
| 3. Address-                                                                                   | Village- Deraber<br>Block- Dharmasala, Dist Jajpur,<br>Phone-9237494355                                                          |
| 4. Initial status / Practice of farmer before KVK intervention-                               | Ignorance of scientific method of nursery raising . He was cultivating paddy and vegetables in traditional method                |
| 5. KVK Intervention                                                                           | Training , Technology Demonstration and develop market linkage, utilizing waste land                                             |
| 6. Innovative extension approach & methodology adopted for implementation of KVK intervention | Capacity building programme of rural youth for income generating activities (Market –led approach, forward market linkage etc.)  |
| 7. Adoption of improved practice by the farmers after KVK intervention                        | Use of quality seed, scientific method of nursery bed preparation, grading , raising of seedling in low cost protected structure |

#### **8. Physical / Financial development over previous practice**

| Sl No | Type of enterprise     | Area/ Nos | Expenditure(Rs)/ Annum | Income (Rs)/ Annum | Net Profit(Rs) / Annum |
|-------|------------------------|-----------|------------------------|--------------------|------------------------|
| 1     | Seedlings ( vegetable) | 0.2 ha.   | 60,000                 | 1,70,000           | 1,10,000               |
| 2     | Seedlings ( Flower)    | 0.1ha     | 25,000                 | 70,000             | 45,000                 |
| 3     | Sapling ( Fruits)      | 0.2ha     | 80,000                 | 1,60,000           | 80,000                 |
|       | Total                  |           | 1,65,000               | 4,00,000           | 2,35,000               |

## 9. Action Photograph

| Farmer in nursery bed                                                            | Intervention of KVK                                                                | Preservation of mother plant for seedling production                                |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |

10. **Farmer's Reaction & Feedback:** Acquired necessary infrastructure to take up vegetable, flower and fruit seedling and saplings on a large scale to upgrade his enterprise. The major constraint observed is availability of protected structure, which was suitably facilitated by the KVK, Jajpur. Permanent structure will be provided by govt. Horticulture dept. Jajpur..

11. **Extent of Diffusion :** Inspired to take up this enterprise at a larger scale on a project mode to help other rural unemployed youth.

12. **Follow up action:** Diagnostic field visit by KVK Scientists , providing low cost protected structure, linking his enterprise with district nursery growers and forward market link.

**Impact on other youths:** The success has inspired him to establish a permanent polyhouse structure to increase his seedling production capacity. He had been facilitated in farmers fair in KVK by local MLA.

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

|   |                                                                                                  |                                                     |                                                                                      |  |
|---|--------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------|--|
| 1 | <b>Effect of balanced feeding in pregnant and lactating does.</b>                                | Low birth weight and high mortality rate in kids    |   |  |
| 2 | <b>Assessment of scientific rearing practices on poultry diseases caused by climatic stress.</b> | Higher incidence of diseases due to climatic stress |   |  |
| 3 | <b>Evaluation of meat type duck, White Pekin</b>                                                 | Poor growth rate of desi type(Moti) of ducks        |  |  |

|   |                                                      |                                                                                  |                                                                                      |
|---|------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |                                                      |                                                                                  |                                                                                      |
| 4 | Assessment of performance of tractor drawn rotavator | Proper land preparation is not done by using tractor drawn nine tyne cultivator  |   |
| 5 | Assessment of performance of power paddy weeder      | Manual weeding in rice is cost intensive due to labour scarcity and high wages , |  |

|   |                                                                     |                                                                                             |                                                                                      |
|---|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 6 | Assessment of performance of seed cum fertilizer drill in greengram | Broadcasting of greengram leads to un even plant population which reduces yield             |    |
| 7 | Assessment of performance of drip irrigation in banana              | Scarcity of water for timely irrigation and flood irrigation leads to more weed infestation |  |

|    |                                                                |                                                                          |                                                                                       |
|----|----------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 8  | Assessment of INM in Okra                                      | Indiscriminate use of fertilizer leads to high expenditure and low yield |    |
| 9  | Assessment of nursery raising in low cost protective structure | In open field raising nursery through out the year is not possible       |    |
| 10 | Assessment of high value crop Capsicum var California Wonder   | Production of traditional vegetables leads to low yield and return.      |  |

|    |                                                                                                 |                                                                                      |                                                                                       |
|----|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 11 | Assessment of Peanut Butter                                                                     | Lack of knowledge and skill on value addition of groundnut                           |     |
| 12 | Planting of sugarcane is a drudgery prone activity and more seed material is required, 30qtl/ha | Assessment of Drudgery reduction of farm women by using sugarcane budchipper         |    |
| 13 | Assessment of Oyster Mushroom <i>Hypsizygous ulmarius</i>                                       | Low yield from <i>P.sajarcaju</i> during later part of winter due to low temperature |  |

|    |                                                           |                                         |                                                                                      |
|----|-----------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| 14 | Assessment of black rock poultry in semi-intensive system | Low egg laying capacity of country bird |   |
| 15 | Assessment of Molybdenum in Cauliflower                   | Low yield due to whip tail disease      |   |
| 16 | Assessment of Sulphur application in Groundnut            |                                         |  |

|    |                                                            |  |                                                                                      |  |
|----|------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| 17 | Assessment of paddy variety<br>“Hiranyamayee               |  |    |  |
| 18 | Assessment of Integrated<br>management of paddy stem borer |  |  |  |

|    |                                                   |  |                                                                                    |
|----|---------------------------------------------------|--|------------------------------------------------------------------------------------|
| 19 | Assesment new chemicals against white fly in Okra |  |  |
|----|---------------------------------------------------|--|------------------------------------------------------------------------------------|