



# **ANNUAL PROGRESS REPORT**

## **[January 2022 to December 2022]**

**KRISHI VIGYAN KENDRA**  
**MAYURBHANJ-II, JASHIPUR**

**ORISSA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY,  
BHUBANESWAR-751003**

**PROFORMA FOR ANNUAL REPORT-2022 (January 2022 to December 2022)**

**1. GENERAL INFORMATION ABOUT THE KVK**

1.1. Name and address of KVK with phone, fax and e-mail

| Address  | Telephone  |     | E mail   |
|--|------------|-----|--|
|  | Office     | FAX |  |
| KrishiVigyan Kendra, Jashipur<br>At- Angarpada, P.O- Khairi,<br>Mayurbhanj, Pin - 757091 | 9437584356 | -   | <a href="mailto:kvkmayurbhanj2.ouat@gmail.com">kvkmayurbhanj2.ouat@gmail.com</a><br><a href="mailto:kvkmayurbhanj2@yahoo.com">kvkmayurbhanj2@yahoo.com</a> |

1.2 .Name and address of host organization with phone, fax and e-mail

| Address   | Telephone                                |                  | E mail   |
|---|--|------------------|--|
|   | Office                                   | FAX              |  |
| Orissa University of<br>Agriculture & Technology,<br>At- Siripur,<br>Bhubaneswar-751003 | 0674-2397<br>970/<br>2397818/<br>2397719 | 0674-239797<br>0 | <a href="mailto:registrarouat@gmail.com">registrarouat@gmail.com</a> |

1.3. Name of the Senior Scientist & Head with phone & mobile No.

| Name                     | Telephone / Contact |                           |  |
|--------------------------|---------------------|---------------------------|--|
|                          | Residence           | Mobile                    | Email  |
| Dr. Deepak Kumar Mohanty |                     | 9437584356,<br>9437237790 | <a href="mailto:kvkmayurbhanj2@yahoo.com">kvkmayurbhanj2@yahoo.com</a> |

1.4. Year of sanction of KVK: **April 2012**

1.5. Staff Position (as on 1<sup>st</sup>Jan,2022)

| Sl. No. | Sanctioned post             | Name of the incumbent     | Designation                       | Discipline              | Pay Scale with present basic  | Date of joining | Permanent/ Temporary | Category (SC/ST/OBC/ Others) |
|---------|-----------------------------|---------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------|----------------------|------------------------------|
| 1       | Senior Scientist &Head      | Dr. Deepak Kumar Mohanty. | Senior Scientist &Head            | Agriculture Engineering | 79,800-2,11,500 (87,200)      | 16.05.2018      | Temporary            | Gen                          |
| 2       | Subject Matter Specialist   | Mr. Debasis Jaypuria      | Scientist (Agriculture Extension) | Agriculture Extension   | 56,100-1,77,500 (63,100)      | 20.07.2018      | Temporary            | SC                           |
| 4       | Subject Matter Specialist   | Mrs. Bidyutlata Mallick   | Scientist (Home Science)          | Home Science            | 57,700-1,82,400 (79,800)      | 28.10.2009      | Temporary            | ST                           |
| 5       | Subject Matter Specialist   | Vacant                    | -                                 | -                       | -                             | -               | -                    | -                            |
| 6       | Subject Matter Specialist   | Vacant                    | -                                 | -                       | -                             | -               | -                    | -                            |
| 7       | Subject Matter Specialist   | Vacant                    | -                                 | -                       | -                             | -               | -                    | -                            |
| 8       | Programme Assistant         | Mr. Satya Niranjan Mishra | Prog. Asst. (Horticulture)        | Horticulture            | 35,400-1,12,400 (46,200)      | 30.07.2012      | Temporary            | Gen                          |
| 9       | Computer Programmer         | Sk. Samsul Hoda           | Prog. Asst. (Computer)            | Computer Sc.            | 35,400-1,12,400 (56,900)      | 30.01.2006      | Temporary            | Gen                          |
| 10      | Farm Manager                | Mr. Debashis Panda        | Farm Manager                      | Plant Protection        | 35,400-1,12,400 (42,300)      | 03.02.2015      | Temporary            | Gen                          |
| 11      | Accountant / Superintendent | Vacant                    | -                                 | -                       | -                             | -               | -                    | -                            |
| 12      | Stenographer                | Mr. Sadananda Mohanta     | Jr. Steno-cum-Comp. Operator      |                         | 25,500-81,100 (31,400)        | 16.10.2006      | Temporary            | OBC                          |
| 13.     | Driver                      | Mr. Sanjay Kumar Das      | Driver-cum-Mechanic               |                         | 21,700-69,100 (26,800)        | 23.07.2008      | Temporary            | Gen                          |
| 14.     | Driver                      | Mr. Sansaya Nayak         | Driver-cum-Mechanic               |                         | 21,700-69,100 (26,800)        |                 | Temporary            |                              |
| 15.     | Supporting staff            | Mr. Laxman Nayak          | Group-D                           |                         | 4750-14680 AGP-1700/- (6,000) | 01.01.2015      | Temporary            | ST                           |



|     |                          |   |   |   |   |   |   |   |   |
|-----|--------------------------|---|---|---|---|---|---|---|---|
| 12. | Mushroom Lab             | - | - | - | - | - | - | - | - |
| 13. | Mushroom production unit | - | - | - | - | - | - | - | - |
| 14. | Shade house              | - | - | - | - | - | - | - | - |
| 15. | Soil test Lab            | - | - | - | - | - | - | - | - |
| 16. | Others, Please Specify   | - | - | - | - | - | - | - | - |
|     |                          |   |   |   |   |   |   |   |   |

\* If not in use then since when and reason for non-use

#### B) Vehicles : Not Available

| Type of vehicle | Year of purchase | Cost (Rs.) | Total km. Run | Present status |
|-----------------|------------------|------------|---------------|----------------|
| -               | -                | -          | -             | -              |

#### C) Equipment & AV aids

| Name of equipment  | Year of purchase | Cost (Rs.) | Present status    | Source of fund |
|--------------------|------------------|------------|-------------------|----------------|
| a. Lab equipment   |                  |            |                   |                |
|                    |                  |            |                   |                |
| b. Farm machinery  |                  |            |                   |                |
| Tractor            | 2016             | 5,29,845   | Working Condition | ICAR           |
| Power tiller       | 2016             | 1,55,500   | Working Condition | ICAR           |
| Paddy transplanter | 2016             | 1,92,000   | Working Condition | ICAR           |
| c. AV Aids         |                  |            |                   |                |
| LCD Projector      | 2017-18          | 40,500     | Working Condition | ICAR           |

|                |         |        |                   |      |
|----------------|---------|--------|-------------------|------|
| LCD Projector  | 2016-17 | 43848  | Working Condition | ICAR |
| Digital Camera | 2016-17 | 13,750 | Working Condition | ICAR |
| Digital Camera | 2017-18 | 14,975 | Working Condition | ICAR |
| Video Camera   | 2017-18 |        | Working Condition | ICAR |

## D) Farm implements

| Name of equipment              | Year of purchase | Cost (Rs.) | Present status | Source of fund |
|--------------------------------|------------------|------------|----------------|----------------|
| Battery operated power sprayer |                  |            |                |                |
| Rotavator                      | 2016             | 96,900     | Good           | ICAR           |
| Brush cutter                   | 2017             | 12,780     | Good           | ICAR           |
| Tractor drawn leveller         | 2017             | 14,800     | Good           | ICAR           |
| Diesel pump set (1.5 HP)       | 2017             | 14,600     | Good           | ICAR           |

## 1.8. Details of SAC meeting\* conducted in the year

| Sl. No. | Date       | Number of Participants | Salient Recommendations | Action taken | If not conducted, state reason |
|---------|------------|------------------------|-------------------------|--------------|--------------------------------|
| 1.      | 31.01.2023 | 40                     |                         |              |                                |
|         |            |                        |                         |              |                                |
|         |            |                        |                         |              |                                |
|         |            |                        |                         |              |                                |
|         |            |                        |                         |              |                                |
|         |            |                        |                         |              |                                |
|         |            |                        |                         |              |                                |

\* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

## 2.a. District level data on agriculture, livestock and farming situation (2019-20)

| Sl. no. | Item | Information |
|---------|------|-------------|
|---------|------|-------------|

| 1                        | Major Farming system/enterprise  | <ul style="list-style-type: none"> <li>● Paddy-fallow, Maize-fallow, Pigeon pea-fallow, Black gram-fallow</li> <li>● Paddy – Green gram, Animal Husbandry</li> <li>● Paddy + Animal Husbandry,</li> <li>● Paddy -Vegetable, Paddy - Chick pea, Vegetable-vegetable</li> </ul>  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
|--------------------------|--|--|--------------------------|------------------------|-------------------------|----------------------|--------------|------------------|---------|---------------|--------------|---------|--------------|-------|--------------|---|----------------------------|--------------------|--|--|----------|-------|-------|------------|--------|-------|
| 2                        | Agro-climatic Zone   | North Central Plateau  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| 3                        | Agro ecological situation  | AES-I, AES-II, AES-IV  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| 4                        | Soil type  | Sandy loam, Red lateritic, Silty loam, Red & Yellow, Mixed Red & Black   |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| 5                        | Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others | <table border="1"> <thead> <tr> <th><u>Name of the Crop</u></th> <th><u>Area (ha)</u></th> <th><u>Yield (q/ha)</u></th> </tr> </thead> <tbody> <tr> <td colspan="3"><b><u>Kharif</u></b></td> </tr> <tr> <td>Paddy</td> <td>2,94,725</td> <td>29.70</td> </tr> <tr> <td>Maize</td> <td>6,737</td> <td>40.14</td> </tr> <tr> <td>Arhar</td> <td>8,380</td> <td>09.12</td> </tr> <tr> <td colspan="3"><b><u>Rabi</u></b></td> </tr> <tr> <td>Chickpea</td> <td>7,580</td> <td>07.25</td> </tr> <tr> <td>Ground nut</td> <td>10,175</td> <td>15.06</td> </tr> </tbody> </table> | <u>Name of the Crop</u>  | <u>Area (ha)</u>       | <u>Yield (q/ha)</u>     | <b><u>Kharif</u></b> |              |                  | Paddy   | 2,94,725      | 29.70        | Maize   | 6,737        | 40.14 | Arhar        | 8,380   | 09.12                      | <b><u>Rabi</u></b> |  |  | Chickpea | 7,580 | 07.25 | Ground nut | 10,175 | 15.06 |
| <u>Name of the Crop</u>  | <u>Area (ha)</u>   | <u>Yield (q/ha)</u>  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| <b><u>Kharif</u></b>     |  |  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Paddy                    | 2,94,725   | 29.70  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Maize                    | 6,737  | 40.14  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Arhar                    | 8,380  | 09.12  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| <b><u>Rabi</u></b>       |  |  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Chickpea                 | 7,580  | 07.25  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Ground nut               | 10,175   | 15.06  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| 6                        | Mean yearly temperature, rainfall, humidity of the district                                    | 41.2(Max), 8.4(Min), 1648.2 mm in 77 rainy day   |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| 7                        | Production of major livestock products like milk, egg, meat etc.                               | <table border="1"> <thead> <tr> <th><u>Name of commodity</u></th> <th><u>Area (ha) / No.</u></th> <th><u>Total Production</u></th> </tr> </thead> <tbody> <tr> <td>Dairy</td> <td>9,36,149 nos</td> <td>Milk-12.52 m lit</td> </tr> <tr> <td>Poultry</td> <td>26,71,290 nos</td> <td>Egg-104.62 m</td> </tr> <tr> <td>Goatery</td> <td>6,86,785 nos</td> <td></td> </tr> <tr> <td>Pisciculture</td> <td>Ponds- 26980 nos<br/>Water spread area- 15347 ha</td> <td>Productivity-<br/>1.07 q/ha</td> </tr> </tbody> </table>   | <u>Name of commodity</u> | <u>Area (ha) / No.</u> | <u>Total Production</u> | Dairy                | 9,36,149 nos | Milk-12.52 m lit | Poultry | 26,71,290 nos | Egg-104.62 m | Goatery | 6,86,785 nos |       | Pisciculture | Ponds- 26980 nos<br>Water spread area- 15347 ha | Productivity-<br>1.07 q/ha |                    |  |  |          |       |       |            |        |       |
| <u>Name of commodity</u> | <u>Area (ha) / No.</u>   | <u>Total Production</u>  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Dairy                    | 9,36,149 nos   | Milk-12.52 m lit   |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Poultry                  | 26,71,290 nos  | Egg-104.62 m   |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Goatery                  | 6,86,785 nos   |  |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |
| Pisciculture             | Ponds- 26980 nos<br>Water spread area- 15347 ha  | Productivity-<br>1.07 q/ha   |                          |                        |                         |                      |              |                  |         |               |              |         |              |       |              |   |                            |                    |  |  |          |       |       |            |        |       |

Note: Please give recent data only

#### 2.b. Details of operational area / villages (2022-22)

| Name of village | Block    | Geog. Area | Cultivable Area | Cultivated Area | Paddy Area |      |      | Area under Irrigation |
|-----------------|----------|------------|-----------------|-----------------|------------|------|------|-----------------------|
|                 |          |            |                 |                 | High       | Med  | Low  |                       |
| Badsole         | Jashipur | 40244      | 20835           | 20100           | 121        | 8930 | 2249 | 2964                  |

|              |          |       |       |       |      |      |      |      |
|--------------|----------|-------|-------|-------|------|------|------|------|
| Sialinai     | Karanjia | 46625 | 19052 | 18998 | 1144 | 4875 | 3682 | 2933 |
| Godapalsa    | Raruan   | 21219 | 17574 | 15127 | 1234 | 4209 | 2674 | 1904 |
| Chadripahadi | Jashipur | 1045  | 909   | 896   | 191  | 484  | 222  | 203  |
| Jhumkakudar  | Karanjia | 161   | 89    | 88    | 33   | 46   | 9    | 24   |
| Kashipal     | Jashipur | 1071  | 967   | 942   | 281  | 507  | 152  | 114  |

2. c. Details of village adoption programme:

Name of the villages adopted by SS&H and SMS (2022-22) for its development and action plan

| Name of village | Block    | Action taken for development  |
|-----------------|----------|---|
| Badapahad       | Jashipur | • Bench mark survey, Group meeting, FLD, OFT, Training programme, Awareness programme |
| Mata            | Karanjia | • Bench mark survey, Group meeting, FLD, OFT, Training programme, Awareness programme |
| Tilusahi        | Raruan   | • Bench mark survey, Group meeting, FLD, OFT, Training programme, Awareness programme |
| Sanagaon        | Karanjia | • Bench mark survey, Group meeting, FLD, OFT, Training programme, Awareness programme |
| Askipal         | Sukruli  | • Bench mark survey, Group meeting, FLD, OFT, Training programme, Awareness programme |

## Achievements on technologies assessed and refined

### OFT-1

|   |  |  |
|---|--|--|
| 1 | Title of On farm Trial                                       | Assessment of Value addition of Tomato for income generation   |
| 2 | Problem diagnosed  | Distress sale of non availability of storage unit  |
| 3 | Details of technologies selected for assessment/refinement   | TO1- Tomato Puree (Cooking tomato juice to desire consistency 36-38 brix by cold break method, bottling hot and pasteurization in hot water for 20 minutes)<br>TO2- Tomato Soup powder ( Preparation of tomato powder – Tomatoes dried in the cabinet drier at 80 <sup>o</sup> C for 10 hours) |
| 4 | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | Post Harvest Technology Centre (TNAU),2015   |



## OFT-2

|    |  |  |
|----|--|--|
| 1. | Title of On farm Trial                                       | <b>Assessment of yield of different fodders for diary nutrition &amp; milk production</b>  |
| 2. | Problem diagnosed  | Unavailability of feed during lean period ,low production of milk due to nutrient deficiency, High cost of feed available in the market. |
| 3. | Details of technologies selected for assessment/refinement   | TO1- Super Napier<br>TO2-Maize African tall<br>TO3-Guinea grass<br>TO4-Para grass  |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | NDDDB,2016   |
| 5. | Production system and thematic area                          | Rice-fallow, Fodder production   |
| 6. | Performance of the Technology with performance indicators    | Green Fodder Yield(q/ha), Dry Matter Yield(q/ha)   |
| 7. | Final recommendation for micro level situation               | Super Napier cultivation practices performs yield higher then other fooder   |
| 8. | Constraints identified and feedback for research             | Super Napier cultivation practices performs yield higher then other fooder   |
| 9. | Process of farmers participation and their reaction          | Farmer show positive reaction towards cultivation super napier fooder  |

*Thematic area: Value addition*

Problem definition: Unavailability of feed during lean period ,low production of milk due to nutrient deficiency, High cost of feed available in the market

Technology assessed: TO1- Super Napier  
 TO2-Maize African tall  
 TO3-Guinea grass  
 TO4-Para grass

Table: to be filled up

| <b>Tech. Options</b> | <b>Details of Technologies</b> | <b>Yield (t/ha)</b> | <b>Height (cm)</b> | <b>Dry matter (q/ha)</b> |
|----------------------|--------------------------------|---------------------|--------------------|--------------------------|
| FP                   | Paddy straw                    | 15                  | 152.4              | 11.4                     |
| TO1                  | Super Napier                   | 341                 | 300                | 61.23                    |
| TO2                  | Maize African tall             | 60                  | 274                | 44.56                    |
| TO3                  | Guinea grass                   | 125                 | 210                | 53.5                     |
| TO4                  | Para grass                     | 90                  | 243                | 35.40                    |

OFT-3

|    |  |  |
|----|--|--|
| 1. | Title of On farm Trial                                       | <b>Assessment of performance of different Ragi threshing machines for small and marginal farmers (Summer)</b>                            |
| 2. | Problem diagnosed  | Unavailability of feed during lean period ,low production of milk due to nutrient deficiency, High cost of feed available in the market. |
| 3. | Details of technologies selected for assessment/refinement   | <b>TO1- Pedal/Treadle operated ragi thresher</b><br><b>TO2- 0.5 hp motor operated mini ragi thresher cum pearler</b>                     |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | <b>Source: OUAT,2020</b>   |
| 5. | Production system and thematic area                          | Rice-fallow, Farm Machinery  |
| 6. | Performance of the Technology with performance indicators    | <b>Capacity (kg/h), Cost of operation (Rs/kg) , Threshing efficiency (%)</b><br><b>Cleaning efficiency (%)</b>                           |
| 7. | Final recommendation for micro level situation               | 0.5 hp motor operated mini ragi thresher cum pearler   |
| 8. | Constraints identified and feedback for research             | 0.5 hp motor operated mini ragi thresher cum pearler, performs well in comparison to traditional method. With less manpower & costing.   |
| 9. | Process of farmers participation and their reaction          | 0.5 hp motor operated mini ragi thresher cum pearler, performs well in comparison to traditional method. With less manpower & costing.   |

*Thematic area: Value addition*

Problem definition: **More time, labour and investment in manual threshing**

Technology assessed: TO1- **Pedal/Treadle operated ragi thresher**

TO2-- **0.5 hp motor operated mini ragi thresher cum pearler**

Table: to be filled up

| <b>Tech. Options</b> | <b>Details of Technologies</b>                       | <b>Capacity (kg/h)</b> | <b>Cost of operation (Rs/kg)</b> | <b>Threshing efficiency (%)</b> | <b>Cleaning efficiency (%)</b> | <b>Time saving (%)</b> | <b>Cost saving (%)</b> | <b>Labour saving(%)</b> |
|----------------------|--|------------------------|----------------------------------|---------------------------------|--------------------------------|------------------------|------------------------|-------------------------|
| FP                   | Manual threshing                                     | 15                     | 10.80                            | 89.5                            | 90.5                           |                        |                        |                         |
| TO1                  | Pedal/Treadle operated ragi thresher                 | 25.5                   | 5.30                             | 87.7                            | 82.5                           | 55.3                   | 50.9                   | 73.2                    |
| TO2                  | 0.5 hp motor operated mini ragi thresher cum pearler | 32.6                   | 3.20                             | 93.3                            | 92.6                           | 65.1                   | 70.4                   | 86                      |

## OFT-5

|    |  |  |
|----|--|--|
| 1. | Title of On farm Trial                                     | <b>Assessment of effectiveness of different extension methods to access information on Rice production</b> |
| 2. | Problem diagnosed  | Poor accessibility to accurate and timely information  |
| 3. | Details of technologies selected for assessment/refinement | <b>TO1- FP+ Short Video Lecture+ Focus Group Discussion<br/>TO2- FP+ Using Rice Xpert app.</b>             |

|    |  |  |
|----|--|--|
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | NRRI,2015  |
| 5. | Production system and thematic area                          | Rice-fallow,   |
| 6. | Performance of the Technology with performance indicators    | Understanding of message, time based information, suitability of technology, increase in knowledge, user friendliness. |
| 7. | Final recommendation for micro level situation               | FP+ Using Rice Xpert app.  |
| 8. | Constraints identified and feedback for research             | User friendliness and its training on use of ICT   |
| 9. | Process of farmers participation and their reaction          | Rice xpert is considered to be easy accessible ICT tools for rice farmer   |

*Thematic area: Value addition*

Problem definition: Poor accessibility to accurate and timely information

Technology assessed: TO1- **FP+ Short Video Lecture+ Focus Group Discussion**

**TO2- FP+ Using Rice Xpert a**

| Tech. Options | Understanding Of The Message |    |    | Time Based Information |    |    | Suitability Of Technology |    |    | Increase In Knowledge |   |    | User Friendliness |    |    |
|---------------|------------------------------|----|----|------------------------|----|----|---------------------------|----|----|-----------------------|---|----|-------------------|----|----|
|               | HU                           | PU | LU | T                      | U  | NT | FA                        | PA | NA | A                     | D | U  | MA                | AP | LA |
| FP            | 5                            | 19 | 6  | 2                      | 10 | 18 | 4                         | 8  | 18 | 6                     | 4 | 20 | 5                 | 8  | 17 |
| TO1           | 11                           | 17 | 2  | 3                      | 7  | 20 | 7                         | 17 | 6  | 13                    | 7 | 10 | 6                 | 10 | 14 |
| TO2           | 18                           | 10 | 2  | 28                     | 1  | 1  | 17                        | 10 | 3  | 19                    | 9 | 2  | 22                | 5  | 3  |

HU-HIGHLY UNDERSTANDING, PU-PARTIALLY UNDERSTANDING, LU-LESS UNDERSTANDING  
T-TIMELY, U-UNDECIDED, NT-NOT TIMELY

A-AGREE, D-DISAGREE, U-UNDECIDED FA-FULLY APPLICABLE, PA-PARTIALLY APPLICABLE, NT-NOT APPLICABLE  
MA-MOST APPROPRIATE, AP-APPROPRIATE, LA-LESS APPROPRIATE

## OFT-6

|    |                        |   |
|----|------------------------|---|
| 1. | Title of On farm Trial | <b>Assessment of drudgery on different maize sheller suitable to farm women</b> |
| 2. | Problem diagnosed      | More drudgery & time consumption in shelling maize manually                     |

|    |  |  |
|----|--|--|
| 3. | Details of technologies selected for assessment/refinement   | TO1- Shelling by using by CIWA Flexible hand operated Maize sheller<br><br>TO2- Shelling by using by CIWA Flexible hand operated Maize sheller with sitting arrangements |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | ICAR-CIWA, 2017  |
| 5. | Production system and thematic area                          | Rice-fallow  |
| 6. | Performance of the Technology with performance indicators    | Understanding of message, time based information, suitability of technology, increase in knowledge, user friendliness.   |
| 7. | Final recommendation for micro level situation               | Shelling by using by CIWA Flexible hand operated Maize sheller with sitting arrangements   |
| 8. | Constraints identified and feedback for research             | -  |
| 9. | Process of farmers participation and their reaction          | Farmers has accepted the technology  |

*Thematic area: Drudgery reduction*

Problem definition: More time, labour and investment in manual threshing

Technology assessed: TO1- Shelling by using by CIWA Flexible hand operated Maize sheller

TO2- Shelling by using by CIWA Flexible hand operated Maize sheller with sitting arrangements

| Average of out put<br>Kg/ h |      |      | Average of Est. Energy<br>Expenditure kJ/min |     |      | Average WHR<br>Beat/min |     |     | Average of %<br>reduction in<br>drudgery | Average of %<br>increase in<br>efficiency | Cardiac cost of Work,<br>Rs |     |     |
|-----------------------------|------|------|--|-----|------|-------------------------|-----|-----|--|---|-----------------------------|-----|-----|
| FP                          | TO1  | TO2  | FP   | TO1 | TO2  | FP                      | TO1 | TO2 | 18.4<br>23.68                            | 264.7<br>278.9                            | FP                          | TO1 | TO2 |
| 17                          | 63.7 | 69.3 | 34.2   | 5.9 | 5.33 | 114                     | 93  | 87  |  |   |                             |     | 38  |

### 3.2 Achievements of Frontline Demonstrations

#### A. Details of FLDs conducted during the year

##### Cereals

| Sl. No. | Crop    | Thematic area       | Technology Demonstrated with detailed treatments                          | Area (ha) |        | No. of farmers/ demonstration |    |    |     |        |    |       |    |    | Reasons for shortfall in achievement |
|---------|---------|---------------------|---|-----------|--------|-------------------------------|----|----|-----|--------|----|-------|----|----|--------------------------------------|
|         |         |                     |   | Proposed  | Actual | SC                            |    | ST |     | Others |    | Total |    |    |                                      |
|         |         |                     |   |           |        | M                             | F  | M  | F   | M      | F  | M     | F  | T  |                                      |
| 1.      | Poultry | Breed evaluation    | Backyard rearing of poultry breed Aseel (Egg laying period- 120-130 days) | 10        | 10     | -                             | 3  | -  | 5   | -      | 2  | -     | 10 | 10 | ---                                  |
| 2.      | Maize   | Drudgery reduction  | Use of Flexible rotary maize sheller in maize crop for drudgery reduction | 10        | 10     | 1                             | 5  | 1  | 3   | --     | -- | --    | 10 | 10 | ---                                  |
| 3.      | Brinjal | Varietal evaluation | High yielding F1 hybrid developed by crossing IIHR-3 X IIHR-322 with      | 0.4       | 0.4    | 2                             | -- | 7  | --- | 1      | -- | 10    | -- | 10 | ---                                  |

|    |         |                 |   |     |     |   |     |   |     |     |    |    |     |    |      |
|----|---------|-----------------|---|-----|-----|---|-----|---|-----|-----|----|----|-----|----|------|
|    |         |                 | resistant to bacterial wilt.<br>Seed rate – 60 gm/acre,<br>spacing – 60x60 cm.<br>Fruits are medium long<br>with excellent cooking<br>quality. Yield potential<br>40-45 ton/ha in 145-150<br>days.  |     |     |   |     |   |     |     |    |    |     |    |      |
| 4. | Brinjal | Yield increment | Single line trellis system<br>in bitter gourd is to<br>increase fruit yield.<br>Significantly lower fruit<br>loss and low disease<br>intensity in single line<br>trellis system.  | 0.4 | 0.4 | 3 | --  | 7 | --- | --- | -- | 10 | --- | 10 | ---- |
| 5. | Chilli  | IPM             | Soil application of Neem<br>cake @2.5q/ha,<br>installation of blue sticky<br>traps and yellow sticky<br>traps @50 nos./ha and<br>need based application of<br>Difenthiuron @1g/lit &<br>Spiromesifen 240 SC<br>@0.6 ml/lit alternately at<br>10 days interval | 0.4 | 0.4 | 7 | --  | 3 | --  | --  | -- | 10 | --  | 10 | --   |
| 6. | Brinjal | IPM             | Application of Neem cake<br>@250 kg/acre with soil<br>test based RDF with<br>balanced Nitrogen<br>application . Installation<br>of blue trap @ 25 nos/ha<br>and application of<br>Etoxazole 10% SC @ 40<br>gm a.i. per ha.                                    | 0.4 | 0.4 | 2 | --- | 8 | --  | --- | -- | 10 | --  | 10 | ---- |

## Details of farming situation

| Crop    | Season | Farming situation (RF/Irrigated) | Soil type  | Status of soil (Kg/ha) |                               |                  | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
|---------|--------|----------------------------------|------------|------------------------|-------------------------------|------------------|---------------|-------------|--------------|------------------------|-------------------|
|         |        |                                  |            | N                      | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |               |             |              |                        |                   |
| Maize   | Kharif | RF                               | Sandy loam | Low                    | Low                           | Low              | Fallow        | 25.05.2022  | 20.09.2022   | 746                    | 58                |
| Cowpea  | Rabi   | Irrigated                        | Sandy loam | Low                    | Low                           | Low              | Vegetable     | 20.11.2022  | 19.01.2022   | 273                    | 17                |
| Mustard | Rabi   | Irrigated                        | Sandy loam | Low                    | Low                           | Low              | Rice          | 15.12.2022  | 10.03.2022   | 273                    | 17                |
| Tomato  | Rabi   | Irrigated                        | Sandy loam | Low                    | Low                           | Low              | Vegetable     | 27.11.2022  | 23.01.2022   | 273                    | 17                |

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

## Performance of FLD

**Oilseeds:****Frontline demonstrations on oilseed crops**

| Crop         | Thematic Area | Name of the technology demonstrated      | No. of Farmers | Area (ha) | Yield (q/ha) |             | % Increase | *Economics of demonstration (Rs./ha) |              |              |             | *Economics of check (Rs./ha) |              |             |            |
|--------------|---------------|--|----------------|-----------|--------------|-------------|------------|--------------------------------------|--------------|--------------|-------------|------------------------------|--------------|-------------|------------|
|              |               |  |                |           | Demo         | Check       |            | Gross Cost                           | Gross Return | Net Return   | ** BCR      | Gross Cost                   | Gross Return | Net Return  | ** BCR     |
| Toria        | Oilseed       | <b>CLUSTER DEMONSTRATION ON OILSEEDS</b> | 25             | 10        | 7.5          | 3.85        | 90         | 18900                                | 33900        | 15000        | 1.79        | 12800                        | 19250        | 6450        | 1.50       |
| <b>Total</b> |               |  | <b>25</b>      | <b>10</b> | <b>7.5</b>   | <b>3.85</b> | <b>90</b>  | <b>18900</b>                         | <b>33900</b> | <b>15000</b> | <b>1.79</b> | <b>12800</b>                 | <b>19250</b> | <b>6450</b> | <b>1.5</b> |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

### Pulses

#### Frontline demonstration on pulse crops

| Crop | Thematic Area | Name of the technology demonstrated | No. of Farmers | Area (ha) | Yield (q/ha) |       | % Increase | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |  |  |
|------|---------------|-------------------------------------|----------------|-----------|--------------|-------|------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|--|--|
|      |               |                                     |                |           | Demo         | Check |            | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |  |  |
|      |               |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |  |  |
|      |               |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |  |  |
|      |               |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |  |  |
|      | Total         |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |  |  |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

### Other crops

| Crop       | Thematic area    | Name of the technology demonstrated                                 | No. of Farmer | Area (ha) | Yield (q/ha)  |       | % change in yield | Other parameters            |                             | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |
|------------|------------------|---|---------------|-----------|---------------|-------|-------------------|-----------------------------|-----------------------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|
|            |                  |   |               |           | Demonstration | Check |                   | Demo                        | Check                       | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |
| Vegetables | Crop improvement | <b>Demonstration of single line trellis system in bitter gourd.</b> | 10            | 0.4       | 226           | 162   | 39.50             | No. of fruits per plant 169 | No. of fruits per plant 118 | 125709                               | 293335       | 167626     | 2.33   | 117165                       | 210910       | 93745      | 1.80   |



|                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fishes   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Total</b>        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

#### Other enterprises

| Category            | Name of the technology demonstrated   | No. of Farmer | No.of units | Major parameters |            | % change in major parameter | Other parameter                 |                                 | *Economics of demonstration (Rs.) or Rs./unit |              |            |        | *Economics of check (Rs.) or Rs./unit |              |            |        |
|---------------------|---|---------------|-------------|------------------|------------|-----------------------------|---------------------------------|---------------------------------|---|--------------|------------|--------|---------------------------------------|--------------|------------|--------|
|                     |   |               |             | Demons ration    | Check      |                             | Demons ration                   | Check                           | Gross Cost                                    | Gross Return | Net Return | ** BCR | Gross Cost                            | Gross Return | Net Return | ** BCR |
| Oyster mushroom     | Demonstration of high yielding spices Oyster mushroom <i>Hysipigyus Ulmarius</i> in extreme Cold Condition Enterprise development | 10            | 200         | 2.7kg/bed        | 2.1 kg/bed | 22.22                       | 22<br>Pin head appearance (day) | 24<br>Pin head appearance (day) | 550   | 2700         | 2150       | 4.9    | 550                                   | 2100         | 1550       | 3.8    |
| Others (pl.specify) | Demonstration on value addition of Jackfruit seed in preparation of Jackfruit cookies   | 10            | 1kg         | 120 days         | 100 days   | 16.66                       |                                 |                                 | 850   | 2240         | 1390       | 2.6    | 15                                    | 20           | 5          | 1.3    |
| Total               |   |               |             |                  |            |                             |                                 |                                 |   |              |            |        |                                       |              |            |        |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

#### Women empowerment

| Category | Name of technology | No. of demonstrations | Observations | Remarks |
|----------|--------------------|-----------------------|--------------|---------|
|----------|--------------------|-----------------------|--------------|---------|

|            |   |    |   |  |  |
|------------|---|----|---|--|--|
|            |   |    | Demonstration                             | Check                                  |  |
| Farm Women | Demonstration of nutritional garden for improving Nutritional Security of farm family | 10 | 291 gm Consumption /family member/day (g) | 149 Consumption /family member/day (g) |  |

## Farm implements and machinery

| Name of the implement                   | Crop    | Name of the technology demonstrated  | No. of Farmer | Area (ha) | Filed observation (output/man hour) |       | % change in major parameter          | Labor reduction (man days)           | Cost reduction (Rs./ha or Rs./Unit) |
|---|---------|--|---------------|-----------|-------------------------------------|-------|--------------------------------------|--------------------------------------|-------------------------------------|
|   |         |  |               |           | Demonstration                       | Check |                                      |                                      |                                     |
| CRIJAF weeder                           | Ragi    | Demonstration of CRIJAF weeder for inter-cultural operation in Ragi            | 10            | 1         | 12.5                                | 10.4  | 20.2                                 | AFC (ha/h)<br>0.016                  | 73.2<br>Cost Savings (%)            |
| Bullock drawn CIAE three row seed drill | Mustard | Demonstration of bullock drawn CIAE three row seed drill for sowing of mustard | 10            | 1         |                                     |       | Effective field capacity (ha/h)-0.14 | Effective field capacity (ha/h)-0.14 | Depth of seed sowing (cm)-3.8       |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST





## Technical Feedback on the demonstrated technologies

| Sl. No | Crop | Feed Back |
|--------|------|-----------|
|        |      |           |
|        |      |           |
|        |      |           |

## Extension and Training activities under FLD

| Sl.No. | Activity                             | Date                     | No. of activities organized | Number of participants | Remarks   |
|--------|--------------------------------------|--------------------------|-----------------------------|------------------------|---|
| 1.     | Field days                           | -                        | -                           | -                      |   |
| 2.     | Farmers Training                     | 22/08/2022               | 1                           | 30                     |   |
| 3.     | Media coverage                       |                          |                             |                        |   |
| 4.     | Training for extension functionaries | 21/12/2022 to 22/12/2022 | 1                           | 25                     |   |
| 1      | Field days                           | 29/10/22                 | 1                           | 40                     | Demonstration on Hybrid maize Variety Kalinga Raj |

## Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2020and Rabi 2020-21

## A. Technical Parameters:

| Sl. No. | Crop demonstrated | Existing (Farmer's) variety name | Existing yield (q/ha) | Yield gap (Kg/ha) w.r.to |                 |                     | Name of Variety + Technology demonstrated | Number of farmers | Area in ha | Yield obtained (q/ha) |      |     | Yield gap minimized (%) |   |   |
|---------|-------------------|----------------------------------|-----------------------|--------------------------|-----------------|---------------------|---|-------------------|------------|-----------------------|------|-----|-------------------------|---|---|
|         |                   |                                  |                       | District yield (D)       | State yield (S) | Potential yield (P) |   |                   |            | Max.                  | Min. | Av. | D                       | S | P |
|         |                   |                                  |                       |                          |                 |                     |   |                   |            |                       |      |     |                         |   |   |

|   |                   |       |     |     |      |    |  |    |    |     |   |     |     |     |      |
|---|-------------------|-------|-----|-----|------|----|--|----|----|-----|---|-----|-----|-----|------|
| 1 | Crop<br>I-Mustard | Local | 3.8 | 4.5 | 4.16 | 14 | Variety-<br>Sushree<br>Seed<br>treatment,<br>Micronutrient<br>application,<br>Application of<br>need based<br>plant<br>protection<br>chemicals | 55 | 20 | 8.2 | 7 | 7.6 | 100 | 100 | 62.7 |
|---|-------------------|-------|-----|-----|------|----|--|----|----|-----|---|-----|-----|-----|------|

### B. Economic parameters

| Sl.<br>No. | Variety demonstrated &<br>Technology demonstrated   | Farmer's Existing plot |                         |                       |          | Demonstration plot    |                         |                       |          |
|------------|---|------------------------|-------------------------|-----------------------|----------|-----------------------|-------------------------|-----------------------|----------|
|            |   | Gross Cost<br>(Rs/ha)  | Gross return<br>(Rs/ha) | Net Return<br>(Rs/ha) | B:Cratio | Gross Cost<br>(Rs/ha) | Gross return<br>(Rs/ha) | Net Return<br>(Rs/ha) | B:Cratio |
| 1.         | Variety- Tapeshwari<br>Seed treatment,<br>Micronutrient application,<br>Application of need based<br>plant protection chemicals | 13000                  | 17100                   | 4100                  | 1.31     | 19530                 | 34200                   | 14670                 | 1.75     |

### C. Socio-economic impact parameters

| Sl. No. | Crop and variety Demonstrated  | Total Produce Obtained (kg) | Produce sold (Kg/household) | Selling Rate (Rs/Kg) | Produce used for own sowing (Kg) | Produce distributed to other farmers (Kg) | Purpose for which income gained was utilized | Employment Generated (Mandays/house hold) |
|---------|--|-----------------------------|-----------------------------|----------------------|----------------------------------|---|--|---|
| 1.      | Crop- Mustard<br>Variety- Tapeswari<br>Seed treatment,<br>Micronutrient application,<br>Application of need based plant protection chemicals | 16150                       | 234.7                       | 45                   | 2305                             | 12945                                     | To meet the house hold expenditure           | 90  |
|         |  |                             |                             |                      |                                  |   |  |   |

### D. Oilseed Farmers' perception of the intervention demonstrated

| Sl. No. | Technologies demonstrated (with name) | Farmers' Perception parameters      |                      |               |                     |  |   |
|---------|---------------------------------------|-------------------------------------|----------------------|---------------|---------------------|--|---|
|         |                                       | Suitability to their farming system | Likings (Preference) | Affordability | Any negative effect | Is Technology acceptable to all in the group/village | Suggestions, for change/improvement, if any |
|         |                                       |                                     |                      |               |                     |  |   |
|         |                                       |                                     |                      |               |                     |  |   |
|         |                                       |                                     |                      |               |                     |  |   |

### E. Specific Characteristics of Technology and Performance

| Specific Characteristic | Performance       | Performance of Technology vis-a vis Local Check | Farmers Feedback |
|-------------------------|-------------------|---|------------------|
| 1.                      | Varietal change,, | Yes   | 2                |

|    |  |     |   |
|----|--|-----|---|
| 2. | Seed treatment                                       | Yes | 6 |
| 3. | Micronutrient application                            | Yes | 3 |
| 4. | STBFR  | Yes | 4 |
| 5. | Biofertilizer application                            | Yes | 5 |
| 6. | Application of need based plant protection chemicals | Yes | 1 |

**F. Extension activities under FLD conducted:**

| Sl. No. | Extension Activities organized | Date and place of activity | Number of farmer attended |
|---------|--------------------------------|----------------------------|---------------------------|
| 1.      | Training                       | 04.02.2023                 | 25                        |

**G. Sequential good quality photographs (as per crop stages i.e. growth & development)**

**H. Farmers' training photographs**

**I. Quality Action Photographs of field visits/field days and technology demonstrated.**

**J. Details of budget utilization**

| Crop<br>(provide crop wise information ) | Items                                 | Budget Received<br>(Rs.) | Budget Utilization<br>(Rs.) | Balance<br>(Rs.) |
|--|---------------------------------------|--------------------------|-----------------------------|------------------|
| Mustard                                  | i) Critical input                     | 51703                    | 51703                       | Nil              |
|  | ii) TA/DA/POL etc. for monitoring     | 4445                     | 4445                        | Nil              |
|  | iii) Extension Activities (Field day) | 1875                     | 1875                        | Nil              |
|  | iv) Publication of literature(flex)   | 777                      | 777                         | Nil              |
|  | Total                                 | 58800 (Audit-1200)       | 58800 (Audit-1200)          | Nil              |

**3.3 Achievements on Training (Including the sponsored and FLD training programmes):**

**A) Farmers and farm women (on campus)**









| Thematic Area                                 | No. of Courses | No. of Participants |   |   |    |   |   |    |   |   | Grand Total |   |   |
|---|----------------|---------------------|---|---|----|---|---|----|---|---|-------------|---|---|
|   |                | Other               |   |   | SC |   |   | ST |   |   | M           | F | T |
|   |                | M                   | F | T | M  | F | T | M  | F | T |             |   |   |
| Mobilization of social capital                |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| Entrepreneurial development of farmers/youths |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| WTO and IPR issues                            |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| Others, if any                                |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| XI Agro-forestry                              |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| Production technologies                       |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| Nursery management                            |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| Integrated Farming Systems                    |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| <b>XII. Others (Pl. Specify)</b>              |                |                     |   |   |    |   |   |    |   |   |             |   |   |
| <b>TOTAL</b>                                  |                |                     |   |   |    |   |   |    |   |   |             |   |   |

### B) Rural Youth (on campus)

| Thematic Area   | No. of Courses | No. of Participants |    |    |    |    |    |    |    |    | Grand Total |    |    |
|---|----------------|---------------------|----|----|----|----|----|----|----|----|-------------|----|----|
|   |                | Other               |    |    | SC |    |    | ST |    |    | M           | F  | T  |
|   |                | M                   | F  | T  | M  | F  | T  | M  | F  | T  |             |    |    |
| Mushroom Production                                     | 1              | 0                   | 02 | 02 | 01 | 01 | 02 | 03 | 08 | 11 | 04          | 11 | 15 |
| Bee-keeping   | 1              | 07                  | 0  | 07 | 0  | 0  | 0  | 10 | 10 | 20 | 17          | 10 | 27 |
| Integrated farming                                      |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Seed production   |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Production of organic inputs                            |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Integrated Farming                                      |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Planting material production                            |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Vermi-culture   | 1              | 0                   | 03 | 03 | 01 | 04 | 05 | 01 | 06 | 07 | 02          | 13 | 15 |
| Sericulture   |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Protected cultivation of vegetable crops                |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Commercial fruit production                             |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Repair and maintenance of farm machinery and implements |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Nursery Management of Horticulture crops                | 1              | 06                  | 00 | 06 | 0  | 0  | 0  | 09 | 00 | 09 | 15          | 00 | 15 |
| Training and pruning of orchards                        |                |                     |    |    |    |    |    |    |    |    |             |    |    |
| Value addition  | 1              | 0                   | 02 | 02 | 0  | 01 | 01 | 02 | 10 | 12 | 02          | 13 | 15 |



































Please furnish the details of training programmes as Annexure in the proforma given below

| Discipline   | Clientele           | Title of the training programme   | Duration in days | Venue (Off / On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|--------------|---------------------|---|------------------|-------------------------|------------------------|--------|-------|-----------------|--------|-------|
|              |                     |   |                  |                         | Male                   | Female | Total | Male            | Female | Total |
| Home Science | Krusi Mitra         | Lay out of Kitchen garden   | 2                | On campus               | 0                      | 25     | 25    | 0               | 12     | 12    |
| Home Science | Awanganawadi worker | Training on Mushroom cultivation  | 2                | On campus               | 0                      | 25     | 25    | 0               | 19     | 19    |
| Home Science | SHG members         | Training on Napier Grass & azolla cultivation                           | 1                | Off campus              | 0                      | 30     | 30    | 0               | 29     | 29    |
| Home Science | SHG members         | Training on Feed Management.  | 1                | Off campus              | 0                      | 30     | 30    | 0               | 30     | 30    |
| Home Science | SHG members         | Training on Kitchen garden.   | 1                | Off campus              | 0                      | 30     | 30    | 0               | 30     | 30    |
| Home Science | SHG members         | Training on low cost diet preparation by using Multipurpose dry grinder | 1                | Off campus              | 0                      | 30     | 30    | 0               | 30     | 30    |
| Home Science | SHG members         | Capacity Building of SHG groups in Vaccination & deworming              | 1                | Off campus              | 0                      | 30     | 30    | 0               | 30     | 30    |
| Home Science | SHG members         | Silage Preparation for Diary  | 1                | Off campus              | 0                      | 30     | 30    | 0               | 30     | 30    |
| Home Science | SHG members         | Training on Post harvest management in maize                            | 1                | Off campus              | 0                      | 30     | 30    | 0               | 30     | 30    |
| Home Science | NGOs Field staff    | Training on preparation of biopesticides like                           | 2                | On campus               | 12                     | 13     | 25    | 04              | 06     | 10    |

|              |                     |  |   |            |   |    |    |   |    |    |
|--------------|---------------------|--|---|------------|---|----|----|---|----|----|
|              |                     | Jeevamruta ,Handi khata                                      |   |            |   |    |    |   |    |    |
| Home Science | SHG members         | Training on high yielding Species of oyster Mushroom.        | 1 | Off campus | 0 | 30 | 30 | 0 | 03 | 03 |
| Home Science | Awanganawadi worker | Lay out & maintain Kitchen garden & its nutrient management. | 2 | On campus  | 0 | 30 | 30 | 0 | 21 | 21 |

*H) Vocational training programmes for Rural Youth*

*Details of training programmes for Rural Youth*

| Crop / Enterprise | Identified Thrust Area | Training title*                        | Duration (days) | No. of Participants |        |       | Self-employed after training |                 |                            | Number of persons employed elsewhere |
|-------------------|------------------------|--|-----------------|---------------------|--------|-------|------------------------------|-----------------|----------------------------|--------------------------------------|
|                   |                        |  |                 | Male                | Female | Total | Type of units                | Number of units | Number of persons employed |                                      |
| Paddy Mushroom    | Mushroom cultivation   | Training on Paddy Mushroom cultivation | 5days           | 04                  | 11     | 15    | Net house                    | 2               | 4                          | 4                                    |
| Finger millet     | Value addition         | Value addition of Finger millets       | 3days           | 02                  | 13     | 15    | Kios center                  | 2               | 6                          | 3                                    |

| Sl.No | Title | Thematic area | Month | Duration (days) | Client PF/RV /EF | No. of courses | No. of Participants |    |    |        |    |    |        |    |    |       | Sponsoring Agency |
|-------|-------|---------------|-------|-----------------|------------------|----------------|---------------------|----|----|--------|----|----|--------|----|----|-------|-------------------|
|       |       |               |       |                 |                  |                | Male                |    |    | Female |    |    | Total  |    |    |       |                   |
|       |       |               |       |                 |                  |                | Others              | SC | ST | Others | SC | ST | Others | SC | ST | Total |                   |
|       |       |               |       |                 |                  |                |                     |    |    |        |    |    |        |    |    |       |                   |
|       |       |               |       |                 |                  |                |                     |    |    |        |    |    |        |    |    |       |                   |
|       |       |               |       |                 |                  |                |                     |    |    |        |    |    |        |    |    |       |                   |

#### 3.4. A. Extension Activities (including activities of FLD programmes)

| Nature of Extension Activity           | No. of activities | Farmers     |           |            |                     | Extension Officials |        |       | Total  |        |        |
|--|-------------------|-------------|-----------|------------|---------------------|---------------------|--------|-------|--------|--------|--------|
|  |                   | M           | F         | T          | SC/ ST (% of total) | Male                | Female | Total | Male   | Female | Total  |
| Field Day                              | 3                 | 70          | 50        | 120        | 100                 | 3                   | 2      | 5     | 73     | 52     | 125    |
| KisanMela                              | 2                 | 236         | 164       | 400        | 78                  | 3                   | 2      | 5     | 239    | 166    | 405    |
| KisanGhoshi                            | 0                 | 0           | 0         | 0          | 0                   | 0                   | 0      | 0     | 0      | 0      | 0      |
| Exhibition                             | 2                 | 31          | 69        | 0          | 0                   | 04                  | 02     | 06    | 35     | 71     | 106    |
| Film Show                              | 32                | 372         | 453       | 825        | 85                  | 04                  | 02     | 06    | 376    | 455    | 831    |
| Method Demonstrations                  | 55                | 103         | 147       | 250        | 87                  | 02                  | 03     | 05    | 105    | 150    | 255    |
| Farmers Seminar                        | 5                 | 48          | 72        | 120        | 73                  | 04                  | 04     | 08    | 52     | 76     | 128    |
| Workshop                               | 1                 | 21          | 29        | 50         | 70                  | 05                  | 02     | 07    | 26     | 31     | 57     |
| Group meetings                         | 2                 | 19          | 41        | 50         | 85                  | 05                  | 03     | 08    | 24     | 44     | 68     |
| Lectures delivered as resource persons | 45                | 278         | 372       | 650        | 92                  | 09                  | 04     | 13    | 287    | 376    | 650    |
| Advisory Services                      | 31                | 1,23<br>127 | 912<br>84 | 21441<br>1 | 72                  | 33                  | 24     | 57    | 123160 | 91308  | 214468 |
| Scientific visit to farmers field      | 215               | 637         | 438       | 1075       | 83                  | 23                  | 19     | 42    | 660    | 457    | 1075   |
| Farmers visit to KVK                   | 287               | 147<br>2    | 106<br>9  | 2541       | 71                  | 22                  | 14     | 36    | 1494   | 1083   | 2577   |
| Diagnostic visits                      | 97                | 202         | 186       | 388        | 74                  | 16                  | 11     | 27    | 218    | 197    | 415    |
| Exposure visits                        | 1                 | 18          | 07        | 25         | 58                  | 02                  | 01     | 3     | 20     | 8      | 28     |

| Nature of Extension Activity   | No. of activities | Farmers      |           |            |                        | Extension Officials |        |       | Total  |        |        |
|--|-------------------|--------------|-----------|------------|------------------------|---------------------|--------|-------|--------|--------|--------|
|  |                   | M            | F         | T          | SC/ ST<br>(% of total) | Male                | Female | Total | Male   | Female | Total  |
| Ex-trainees Sammelan   |                   |              |           |            |                        |                     |        |       |        |        |        |
| Soil health Camp   |                   |              |           |            |                        |                     |        |       |        |        |        |
| Animal Health Camp   | 2                 | 66           | 34        | 100        | 88                     | 2                   | 1      | 3     | 68     | 37     | 105    |
| Agri mobile clinic   |                   |              |           |            |                        |                     |        |       |        |        |        |
| Soil test campaigns  |                   |              |           |            |                        |                     |        |       |        |        |        |
| Farm Science Club Conveners meet   |                   |              |           |            |                        |                     |        |       |        |        |        |
| Self Help Group Conveners meetings   |                   |              |           |            |                        |                     |        |       |        |        |        |
| Mahila Mandals Conveners meetings  |                   |              |           |            |                        |                     |        |       |        |        |        |
| Celebration of important days<br>(World soil day, world food day,<br>International women's day, women's<br>day, vigilance day, Agriculture<br>education day, Parthenium day,<br>millets day, ICAR Foundation day,<br>OUAT foundation day, Women's day,<br>etc) | 17                | 354          | 296       | 650        | 56                     | 6                   | 3      | 09    | 360    | 299    | 659    |
| Sankalp Se Siddhi  |                   |              |           |            |                        |                     |        |       |        |        |        |
| Swatchta Hi Sewa   | 24                | 291          | 257       | 548        | 73                     | 3                   | 4      | 7     | 294    | 261    | 555    |
| Mahila Kisan Divas   | 1                 | 0            | 40        | 40         | 100%                   | 1                   | 3      | 4     | 01     | 43     | 44     |
| Plant health camp  | 1                 | 31           | 09        |            | 85%                    | 2                   | 1      | 3     | 33     | 10     | 43     |
| Total  | 823               | 1,27<br>,376 | 950<br>17 | 22224<br>3 |                        | 149                 | 105    | 254   | 127525 | 95044  | 222594 |

#### B. Other Extension activities

| Nature of Extension Activity | No. of activities |
|------------------------------|-------------------|
| Newspaper coverage           | 12                |
| Radio talks                  |                   |
| TV talks                     | 2                 |
| Popular articles             |                   |
| Extension Literature         | 4                 |

|               |  |
|---------------|--|
| Other, if any |  |
|---------------|--|

**3.5 a. Production and supply of Technological products**

*Village seed*

| Crop         | Variety | Quantity of seed<br>(q) | Value<br>(Rs) | No. of farmers involved in village<br>seed production | Number of farmers<br>to whom seed provided |    |       |       |
|--------------|---------|-------------------------|---------------|---|--|----|-------|-------|
|              |         |                         |               |   | SC   | ST | Other | Total |
|              |         |                         |               |   |  |    |       |       |
|              |         |                         |               |   |  |    |       |       |
|              |         |                         |               |   |  |    |       |       |
|              |         |                         |               |   |  |    |       |       |
| <b>Total</b> |         |                         |               |   |  |    |       |       |

*KVK farm*

| Crop               | Variety | Quantity of seed<br>(q) | Value<br>(Rs) | Number of farmers<br>to whom seed provided |    |       |       |
|--------------------|---------|-------------------------|---------------|--|----|-------|-------|
|                    |         |                         |               | SC   | ST | Other | Total |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
|                    |         |                         |               |  |    |       |       |
| <b>Grand Total</b> |         |                         |               |  |    |       |       |

**Production of planting materials by the KVKs**

| Crop                       | Variety  | No. of planting materials | Value (Rs)        | Number of farmers to whom planting material provided |    |       |       |
|----------------------------|--|---------------------------|-------------------|--|----|-------|-------|
|                            |  |                           |                   | SC   | ST | Other | Total |
| <b>Vegetable seedlings</b> |  |                           |                   |  |    |       |       |
| Cauliflower                | Tetris, Suhasini, KCAH-2178, Barkha and Megha                      | 9600                      | 12000/-           | 03   | 07 | 03    | 13    |
| Cabbage                    | Rareball, BC-76, Checkstar And Zennith                             | 9600                      | 12000/-           | 05   | 06 | 02    | 13    |
| Tomato                     | 1-Kaushal, Abhilash<br>2-Sakshyam, Tokita Deshi, Sahoo, 055        | 3000<br>9700              | 3750/-<br>29312/- | 18   | 32 | 09    | 59    |
| Brinjal                    | 1 -Dhawan<br>2-JK-8031, KSP-1456, JK-8035, Bluestar and Green star | 3000<br>28350             | 3750/-<br>35437/- | 12   | 38 | 11    | 61    |
| Chilli                     | Siamhot, KHPH-1206 and BSS-670                                     | 14100                     | 17625/-           | 03   | 29 | 10    | 42    |
| Capsicum                   | KSP-1070 and KSPH-2301   | 3000                      | 7500/-            | 07   | 16 | 09    | 32    |
| Onion                      |  |                           |                   |  |    |       |       |
| Drumstick                  | ODC and Bhagya   | 250                       | 3750/-            | 02   | 08 | 06    | 16    |
| <b>Fruits</b>              |  |                           |                   |  |    |       |       |
| Mango                      |  |                           |                   |  |    |       |       |
| Guava                      |  |                           |                   |  |    |       |       |
| Lime                       |  |                           |                   |  |    |       |       |
| Papaya                     | Red lady   | 1250                      | 31250/-           | 09   | 19 | 13    | 41    |
| Banana                     |  |                           |                   |  |    |       |       |
| Others                     |  |                           |                   |  |    |       |       |
| Ornamental plants          |  |                           |                   |  |    |       |       |





| Bio-product     | Name of the Bio-product | Quantity (no.) | Quantity (Kg.) | Value (Rs.) | Number of farmers | Quantity (no.) | Quantity (Kg.) | Value (Rs.) | Number of farmers | Quantity (no.) | Quantity (Kg.) | Value (Rs.) | Number of farmers | Quantity (no.) | Quantity (Kg.) | Value (Rs.) | Number of farmers |  |
|-----------------|-------------------------|----------------|----------------|-------------|-------------------|----------------|----------------|-------------|-------------------|----------------|----------------|-------------|-------------------|----------------|----------------|-------------|-------------------|--|
| Bio-fertilisers |                         | A&N Islands    |                |             |                   | Odisha         |                |             |                   | West bengal    |                |             |                   | Total          |                |             |                   |  |
|                 |                         |                |                |             |                   |                |                |             |                   |                |                |             |                   |                |                |             |                   |  |

## Production of livestock materials

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers benefitted |     |       |       |
|---------------------------|-------------------|--------|-------------|---------------------------|-----|-------|-------|
|                           |                   |        |             | SC                        | ST  | Other | Total |
| Dairy animals             |                   |        |             |                           |     |       |       |
| Cows                      |                   |        |             |                           |     |       |       |
| Buffaloes                 |                   |        |             |                           |     |       |       |
| Calves                    |                   |        |             |                           |     |       |       |
| Others (Pl. specify)      |                   |        |             |                           |     |       |       |
| Small ruminants           |                   |        |             |                           |     |       |       |
| Sheep                     |                   |        |             |                           |     |       |       |
| Goat                      |                   |        |             |                           |     |       |       |
| Other, please specify     |                   |        |             |                           |     |       |       |
| Poultry                   | Aseel             | 1500   | 135000      | 0                         | 150 | 0     | 150   |
| Broilers                  |                   |        |             |                           |     |       |       |
| Layers                    |                   |        |             |                           |     |       |       |
| Duals (broiler and layer) |                   |        |             |                           |     |       |       |
| Japanese Quail            |                   |        |             |                           |     |       |       |
| Turkey                    |                   |        |             |                           |     |       |       |
| Emu                       |                   |        |             |                           |     |       |       |
| Ducks                     |                   |        |             |                           |     |       |       |
| Others (Pl. specify)      |                   |        |             |                           |     |       |       |
| Piggery                   |                   |        |             |                           |     |       |       |
| Piglet                    |                   |        |             |                           |     |       |       |
| Hog                       |                   |        |             |                           |     |       |       |
| Others (Pl. specify)      |                   |        |             |                           |     |       |       |
| Fisheries                 |                   |        |             |                           |     |       |       |
| Indian carp               |                   |        |             |                           |     |       |       |
| Exotic carp               |                   |        |             |                           |     |       |       |
| Mixed carp                |                   |        |             |                           |     |       |       |

|                      |  |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|--|
| Fish fingerlings     |  |  |  |  |  |  |  |
| Spawn                |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |
| Grand Total          |  |  |  |  |  |  |  |

### 3.5. b. Seed Hub Programme-“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”

i) Name of Seed Hub Centre:

|                         |  |
|-------------------------|--|
| Name of Nodal Officer : |  |
| Address :               |  |
| e-mail :                |  |
| Phone No. :<br>Mobile : |  |

ii) Details of Quality Seed Production

| Season             | Crop  | Variety   | Production (q) |                |            |                             |
|--------------------|-------|-----------|----------------|----------------|------------|-----------------------------|
|                    |       |           | Target         | Area sown (ha) | Production | Category of Seed (F/S, C/S) |
| Kharif 2020        | Paddy | Pratikhya | 90             | 03             | 87.36      | F/S                         |
|                    |       |           |                |                |            |                             |
| Rabi 2020-21       |       |           |                |                |            |                             |
|                    |       |           |                |                |            |                             |
| Summer/Spring 2021 |       |           |                |                |            |                             |

iii) Financial Progress

| Fund received<br>(2016-17, 2017-18 2018-19 and2019-20) | Expenditure (Rs. in lakhs) | Unspent balance<br>(Rs. in lakhs) | Remarks |
|--|----------------------------|-----------------------------------|---------|
|  |                            |                                   |         |

|         | Infrastructure | Revolving fund |  |  |
|---------|----------------|----------------|--|--|
| 2016-17 |                |                |  |  |
| 2017-18 |                |                |  |  |
| 2018-19 |                |                |  |  |
| 2019-20 |                |                |  |  |

## iv) Infrastructure Development

| Item                   | Progress |
|------------------------|----------|
| Seed processing unit   |          |
| Seed storage structure |          |

## 3.6. (A) Literature Developed/Published (with full title, author &amp; reference)

| Item                                | Title            | Author's name   | Number | Circulation |
|-------------------------------------|------------------|---|--------|-------------|
| Research paper                      |                  |   |        |             |
| Seminar/conference/ symposia papers |                  |   |        |             |
| Books                               | Prakrutika Krusi | Dr. D.K. Mohanty<br>Mr Debasis Jaypuria<br>Mr Satya Niranjana<br>Mishra.<br>Dr Asima Chanda<br>Dash | 500    | 500         |

|   |                                   |   |     |     |
|---|-----------------------------------|---|-----|-----|
|   |                                   | Dr.Susanta Kumar Swain.                                       |     |     |
| Bulletins                               |                                   |   |     |     |
| News letter                             |                                   |   |     |     |
| Popular Articles                        |                                   |   |     |     |
| Book Chapter                            |                                   |   |     |     |
| Extension Pamphlets/ literature/leaflet | Sabuja Sara                       | Dr. D.K. Mohanty<br>Mr Debasis Jaypuria<br>Mrs. B. L. Mallick | 500 | 500 |
|   | Jia Khata                         | Dr. D.K. Mohanty<br>Mr Debasis Jaypuria<br>Mr Debasis Panda   | 500 | 500 |
|   | Bihan Bisodhana                   | Dr. D.K. Mohanty  | 500 | 500 |
|   | Baiganika Padhati re Sorisa Chasa | Mr Debasis Jaypuria   | 500 | 500 |
| Technical reports                       | Annual Report                     | Senior Scientist & Head                                       | 05  | 05  |
| Electronic Publication (CD/DVD etc)     | Action Plan                       | Senior Scientist & Head                                       | 05  | 05  |
| TOTAL                                   |                                   |   |     |     |

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

| Sl. No. | Name of programme     | Name of course | Name of KVK personnel and designation               | Date and Duration                       | Organized by  |
|---------|-----------------------|----------------|---|---|---|
| 1.      | Annual Zonal Workshop | Workshop       | Dr. Deepak Kumar Mohanty<br>Senior Scientist & Head | 27-29 <sup>th</sup> May, 2022,<br>3days | KVK, Jalpaigudi,<br>West Bengal   |
| 2.      | National Conference   | Conference     | Dr. Deepak Kumar Mohanty<br>Senior Scientist & Head | 1-2 <sup>nd</sup> June, 2022<br>2days   | 1-2 <sup>nd</sup> June, 2022<br>Y. S. Parmar<br>University of<br>Horticulture &<br>Forestry, Solan,<br>Himachal Pradesh |

|    |  |                            |   |  |   |
|----|--|----------------------------|---|--|---|
|    |  |                            |   |  |   |
| 3. | Workshop on Aromatic Medicinal plant for nutritional Security. | Workshop                   | Mrs. Bidyutlata Mallick<br>Scientist (Home Science) | 8 <sup>th</sup> September, 2022<br>1day    | PMIT, Vikas<br>Foundation Trust,<br>Talcher                                     |
| 4. | Workshop on early childhood caring for working women           | Workshop                   | Mrs. Bidyutlata Mallick<br>Scientist (Home Science) | 7 <sup>th</sup> -8 <sup>th</sup> Feb, 2023 | Community<br>Science Collage,<br>OUAT, BBSR                                     |
| 5. | HRD Workshop on Natural Farming                                | Workshop                   | Mr Debasis Jaypuria<br>SMS (Ag,Extn.)               | 12-13 <sup>th</sup> Dec, 2022              | State Natural<br>Farming Training<br>Centre, Gurukul,<br>Kurukshetra<br>Haryana |
| 6. | Workshop cum training on Natural Farming visit IFS             | Workshop                   | Mr Debasis Jaypuria<br>SMS (Ag,Extn.)               | 15-16 <sup>th</sup> Feb, 2023              | West Bengal<br>University of<br>Animal & Fishery<br>Sciences,<br>Kolkata, WB    |
| 7. | Training on cum exposure visit of IFS for sustainable income   | Refresh training programme | Mr Debasis Jaypuria<br>SMS (Ag,Extn.)               | 27-28 <sup>th</sup> March, 2023            | Bhubaneswar   |

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)

**Name of farmer: Prahallad Mohanta**  
**Address:- Kalanda**  
**Mobile Number: 8328807291**  
**Age: 41**  
**Education:- ITI**  
**Size of land holding (in acre):- 10.0**

**Information of the training provided by the KVK:**

Attending training on off season vegetable cultivation, nursery raising, hybrid vegetable cultivation packages and practices. KVK provided training on enhancing skill and knowledge on nursery raising in low cost poly house.

The farmer used to get annual income of Rs. 3,42,400/- from rice, vegetables, poultry etc. He faced problems like disease and insect pest infestation and poor quality planting materials etc. With DFI interventions like good quality planting materials , off season vegetable cultivation, mulching, management of diseases and insect pests etc., he is getting annual income of Rs. 9,63,000/-.



|  |   |
|--|---|
| Name of farmer                               | <b>Debananda Pingua</b>                                   |
| Address                                      | Vill -Askipal, G.P. Teranti, Block Sukruli                |
| Contact details (Phone, mobile, email Id)    | 9437798093  |
| Landholding (in ha.)                         | 6.4   |
| Name and description of the farm/ enterprise | Custom Hiring of Farm Machineries                         |
| Economic impact                              | Rupees 12.4 lakhs   |
| Social impact                                | Employment generated- 7 to 8 man-days throughout the year |

|                             |   |
|-----------------------------|---|
| Environmental impact        | Farm mechanization  |
| Horizontal/ Vertical spread | Spread around 120 acres of land in nearby village by custom hiring of farm mechanization tools. |



3.8 Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

| Sl. No. | Name/ Title of the technology | Name/ Details of the Innovator(s) | Brief details of the Innovative Technology |
|---------|-------------------------------|-----------------------------------|--|
|         |                               |                                   |  |
|         |                               |                                   |  |
|         |                               |                                   |  |

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

| Sl. No. | Crop / Enterprise | ITK Practiced | Purpose of ITK |
|---------|-------------------|---------------|----------------|
|         |                   |               |                |

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

b. Give details of organic farming practiced by the farmer

| Sl. No. | Crop / Enterprise | Area (ha)/ No. covered | Production | No. of farmers involved | Market available (Y/N) |
|---------|-------------------|------------------------|------------|-------------------------|------------------------|
|---------|-------------------|------------------------|------------|-------------------------|------------------------|

3.10.

Indicate the specific training need analysis tools/methodology followed by KVKs

| Sl. No. | Brief details of the tool/ methodology followed | Purpose for which the tool was followed |
|---------|---|---|
| 1       | PRA   | Training/FLD/OFT                        |
| 2.      | Problem matrix                                  | Training/FLD/OFT                        |
| 3.      | Technology pool                                 | OFT                                     |

3.11. a. Details of equipment available in Soiland Water Testing Laboratory-NA

| Sl. No | Name of the Equipment | Qty. |
|--------|-----------------------|------|
|        |                       |      |
|        |                       |      |
|        |                       |      |

3.11.b. Details of samples analyzed so far :

| Number of soil samples analyzed    |                                 |       | No. of Farmers | No. of Villages | Amount realized (in Rs.) |
|------------------------------------|---------------------------------|-------|----------------|-----------------|--------------------------|
| Through mini soil testing kit/labs | Through soil testing laboratory | Total |                |                 |                          |
|                                    | 21                              | 21    | 21             | 2               |                          |
|                                    |                                 |       |                |                 |                          |

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

## 3.11.c. Details on World Soil Day

| Sl.No. | Activity | No. of Participants | No. of VIPs | Name (s) of VIP(s)  | Number of Soil Health Cards distributed | No. of farmers benefitted |
|--------|----------|---------------------|-------------|---|---|---------------------------|
| 1      | 1        | 147                 |             | Mr. Bishweswar Tudu<br>(MP,Mayurbhanj)<br>Mr .Raj Kishore Das<br>(MLA, morada)<br>Mrs. Bharati Hansdah,<br>(President zila parishad)<br>Sri Sunil Akshay<br>Agrawal. (Additional<br>District Magistrate,<br>Mayurbhanj) | 21                                      | 21                        |
|        |          |                     |             |   |   |                           |
|        |          |                     |             |   |   |                           |

## 3.12. Activities of rain water harvesting structure and micro irrigation system -NA

| No of training programme | No of demonstrations | No of plant material produced | Visit by the farmers | Visit by the officials |
|--------------------------|----------------------|-------------------------------|----------------------|------------------------|
|                          |                      |                               |                      |                        |
|                          |                      |                               |                      |                        |
|                          |                      |                               |                      |                        |

## 3.13. Technology week celebration- NA

| Type of activities | No. of activities | Number of participants | Related crop/livestock technology |
|--------------------|-------------------|------------------------|-----------------------------------|
|                    |                   |                        |                                   |

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

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N) -NA

|                       |                   |
|-----------------------|-------------------|
| No of student trained | No of days stayed |
|                       |                   |

|                      |                   |
|----------------------|-------------------|
| ARS trainees trained | No of days stayed |
|                      |                   |

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSabhadipati/Other Head of Organization/Foreigners)

| Date       | Name of the person  | Purpose of visit                |
|------------|---|---------------------------------|
| 31.05.2022 | Mr Ganesh Ram Singh Khuntia (MLA ,Jashipur)                 | Attended Gariba Kalyan Sammelon |
| 31.05.2022 | MR. Naba Charan Majhi (MLA , Rairangpur)                    | Attended Gariba Kalyan Sammelon |
| 31.05.2022 | Mrs .Lalita Mundia .ZP.Zone42                               | Attended Gariba Kalyan Sammelon |
| 31.05.2022 | Mrs .Minati Naik ZP.Zone42                                  | Attended Gariba Kalyan Sammelon |
| 31.05.2022 | Mrs.Kumudini Dalei (Chairperson, Jashipur Panchayat Samiti) | Attended Gariba Kalyan Sammelon |

#### 4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

| Name of specific technology/skill transferred      | No. of participants | % of adoption | Change in income (Rs.) |                         |
|--|---------------------|---------------|------------------------|-------------------------|
|  |                     |               | Before (Rs./Unit)      | After (Rs./Unit)        |
| Mushroom Cultivation                               | 235                 | 85            | 19500/year             | 34000/year              |
| Wilt tolerant Tomato Variety                       | 78                  | 62            | 25000/acre             | 41000/acres             |
| Rearing Improved Poultry in Backyard (Aseel Breed) | 386                 | 85            | 8300/20 nos. of bird   | 13529/ 20 nos. of birds |
| Seed-cum-Fertilizer drill                          | 80                  | 50            | 17000/year             | 81500/year              |

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

| Horizontal spread of technologies |                     |
|-----------------------------------|---------------------|
| Technology                        | Horizontal spread   |
| Off season Cauliflower            | 200 ha              |
| Paddy Straw Mushroom Cultivation  | 78 nos. of villages |
| Poultry                           | 85 nos. of villages |
| Seed-cum-fertilizer drill         | 1800 ha             |

Give information in the same format as in case studies

#### 4.3. Details of impact analysis of KVK activities carried out during the reporting period

| Sl. No. | Brief details of technology                     | Impact of the technology in subjective terms   | Impact of the technology in objective terms |
|---------|---|--|---|
|         | Single line trellis System in bitter gourd      | Appreciated due to more yield and less damage  | 32ha  |
|         | Management of FAW in maize                      | Appreciated due to control of FAW and more yield                                       | 144 ha                                      |
|         | <b>Management of Red Spider mite in Brinjal</b> | Appreciated due to control <b>Red Spider mite causing less damage to Brinjal crop.</b> | 26ha  |

#### 4.4. Details of innovations recorded by the KVK

|                                 |  |
|---------------------------------|--|
| Thematic area                   |  |
| Name of the Innovation          |  |
| Details of Innovator            |  |
| Back ground of innovation       |  |
| Technology details              |  |
| Practical utility of innovation |  |

#### 4.5. Details of entrepreneurship development

|   |   |
|---|---|
| Entrepreneurship development  |   |
| Name of the enterprise  | Organic Pesticide   |
| Name & complete address of the entrepreneur   | <b>Mrs . Pramilla Sethy, Address:- Kaptira, Jashipur, Mobile Number: 9556210620</b>                       |
| Role of KVK with quantitative data support:   | Capacity building and demonstration   |
| Timeline of the entrepreneurship development  | 2015- Started, 2015- Got training and demonstration, 2017-Production and linked with SHG, 2017- Marketing |
| Technical Components of the Enterprise  | Organic Pesticide   |
| Status of entrepreneur before and after the enterprise  | Before- Rs.15000/- , After- Rs.1,30,000   |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): | Satisfactory  |
| Horizontal spread of enterprise   | 10 no of Block  |

4.6. Any other initiative taken by the KVK

## 5. LINKAGES

5.1. Functional linkage with different organizations

| Name of organization                 | Nature of linkage  |
|--------------------------------------|--|
| Agriculture Department               | Training, Extension Activities, Demonstration, Farmer's-scientist interaction, farmer's fair, ATMA activities, Field day |
| Horticulture Department              | Training, Extension Activities, Demonstration  |
| Veterinary Department                | Animal Health Camp, De-worming & Vaccination programme   |
| Forest Department                    | Training, Extension Activities, Demonstration  |
| Fishery Department                   | Training, Extension Activities   |
| DSWO                                 | Training, Extension Activities, Demonstration  |
| NGO- Pradan, Dulal , Sambandh, CSISA | Training, Extension Activities, Demonstration  |

5.2. List of special programmes undertaken during 2020-21 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (**information of previous years should not be provided**)

a) Programmes for infrastructure development : N.A.

| Name of the programme/scheme | Purpose of programme       | Date/ Month of initiation | Funding agency | Amount (Rs.) |
|------------------------------|----------------------------|---------------------------|----------------|--------------|
| OMBADC                       | Infrastructure Development | 2022                      | OMBADC         | 83 lakh      |
|                              |                            |                           |                |              |
|                              |                            |                           |                |              |

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

| Name of the programme/scheme     | Purpose of programme    | Date/ Month of initiation | Funding agency | Amount (Rs.) |
|----------------------------------|-------------------------|---------------------------|----------------|--------------|
| Natural Farming                  | Promote Natural Farming | 2022                      | ICAR           | 263800/-     |
| Swachata activity                |                         | 2022                      | ICAR           | 16950/-      |
| PM Kissan Samelon                |                         | 2022                      | ICAR           | 29633        |
| Garib Kalyan Samellon            |                         | 2022                      | ICAR           | 159400/-     |
| Kissan Bagidari Prathamam Hamari |                         | 2022                      | ICAR           | 100000/-     |

## 6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1. Performance of demonstration units (other than instructional farm)

| Sl. No. | Name of demo Unit | Year of estt. | Area(Sq.mt) | Details of production    |                 |                  | Amount (Rs.)   |              | Remarks |
|---------|-------------------|---------------|-------------|--------------------------|-----------------|------------------|----------------|--------------|---------|
|         |                   |               |             | Variety/breed            | Produce         | Qty.             | Cost of inputs | Gross income |         |
| 1.      | Mushroom unit     | 2014          | 24          | V.volvacea , P.Sajarkaju | Mushroom        | 60kg             | 5500           | 8000         |         |
| 2.      | Poultry           | 2015          | 18          | Aseel poultry breed      | 21 days chicks  | 1500             | 110000         | 135000       |         |
| 3.      | Vermicompost      | 2014          | 15          | African Earthworm        | Compost & Vermi | 1100 kg and 1 kg | 3450           | 17000/       |         |
| 4.      | Poly house        | 2016          | 24          | -                        | Seedling        | 38300 nos.       | 143985/-       | 192614       |         |
| 5.      | Azola unit        | 2018          | 18          | -                        | Azolla          | -                | -              | -            |         |
| 6.      | Kitchen Garden    | 2013          | 320         | Vegetables               | Vegetables      | 100 kg           | 670/-          | 1000         |         |

|    |               |      |     |                 |                 |   |          |          |  |
|----|---------------|------|-----|-----------------|-----------------|---|----------|----------|--|
| 7. | Herbal Garden | 2018 | 160 | Medicinal Plant | Medicinal Plant | - |          | -        |  |
|    | Total         |      |     |                 |                 |   | 263605/- | 353614/- |  |

### 6.2. Performance of Instructional Farm (Crops)

| Name Of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production                           |                 |         | Amount (Rs.)   |              | Remarks |
|------------------|----------------|-----------------|-----------|---|-----------------|---------|----------------|--------------|---------|
|                  |                |                 |           | Variety   | Type of Produce | Qty.(q) | Cost of inputs | Gross income |         |
| Paddy            | 28/06/2022     | 14/12/2022      | 3         | Pratikshya                                      | FS              | 77.00   | 220320/-       | 250250/      |         |
| Hybrid Maize     | 10/06/2022     | 05/11/2022      | 0.4       | Kalinga Raj                                     | NS              | 4.5     | 6800/-         | 9000/-       |         |
| Mustard          | 10.12.2022     | -               | 0.2       | Susree  | NS              | -       |                |              |         |
| Millets          | 03.07.2022     | 17.11.2022      | 0.1       | Bhairavi<br>Similipal<br>Sree Chaitanya<br>Bati | TL              | 0.1     |                |              |         |

### 6.3 Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

| Sl. No. | Name of the Product | Qty. (Kg) | Amount (Rs.)   |              | Remarks |
|---------|---------------------|-----------|----------------|--------------|---------|
|         |                     |           | Cost of inputs | Gross income |         |
| 1.      | Vermi-compost       | 1100 kg   | 3450           | 16500/-      |         |
| 2.      | Vermi               | 1         | -              | 500          |         |

## 6.4 Performance of instructional farm (livestock and fisheries production) NA

| Sl. No. | Name of the Product | Qty. (Kg) | Amount (Rs.)   |              | Remarks            |
|---------|---------------------|-----------|----------------|--------------|--------------------|
|         |                     |           | Cost of inputs | Gross income |                    |
| 1.      | Aseel poultry       | 1500 no   | 110000         | 135000       | 21 days old chicks |
| 2.      |                     |           |                |              |                    |

## 6.5 Utilization of hostel facilities : N.A.

Accommodation available (No. of beds)

| Months  | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
|---------|------------------------|----------------------------|--------------------------------|
|         |                        |                            |                                |
|         |                        |                            |                                |
|         |                        |                            |                                |
| Total : |                        |                            |                                |

(For whole of the year)

## 6.6 Utilization of staff quarters : N.A.

Whether staff quarters has been completed: Nil

No. of staffquarters:

Date of completion:

Occupancy details:

| Months | Q I | Q II | Q III | Q IV | Q V | Q VI |
|--------|-----|------|-------|------|-----|------|
|        |     |      |       |      |     |      |
|        |     |      |       |      |     |      |
|        |     |      |       |      |     |      |

7 FINANCIAL PERFORMANCE

## 7.1. Details of KVK Bank accounts

| Bank account    | Name of the bank    | Location | Account Number |
|-----------------|---------------------|----------|----------------|
| KVK Contingency | State Bank Of India | Jashipur | 32417957765    |
| KVK C/A         | State Bank Of India | Jashipur | 39467589642    |
| Revolving Fund  | State Bank Of India | Jashipur | 35031091062    |

7.2. Utilization of funds under CFLD on Oilseed (*Rs. In Lakhs*)

| Item    | Released by ICAR |         | Expenditure |       | Unspent balance as on - |
|---------|------------------|---------|-------------|-------|-------------------------|
|         | Kharif           | Rabi    | Kharif      | Rabi  |                         |
| Mustard |                  | 60000/- |             | 60000 | Nil                     |

7.3. Utilization of funds under CFLD on Pulses (*Rs. In Lakhs*)

| Item | Released by ICAR |      | Expenditure |      | Unspent balance as on 1 <sup>st</sup><br>April 2013 |
|------|------------------|------|-------------|------|---|
|      | Kharif           | Rabi | Kharif      | Rabi |   |
|      |                  |      |             |      |   |
|      |                  |      |             |      |   |
|      |                  |      |             |      |   |

## 2019.5. Utilization of KVK funds during the year 2020-21(Not audited)

| Sl.No.                     | Particulars          | Sanctioned | Released  | Expenditure |
|----------------------------|----------------------|------------|-----------|-------------|
| A. Recurring Contingencies |                      |            |           |             |
| 1                          | Pay & Allowances     |            |           |             |
| 2                          | Traveling allowances | 1,10,000   | 1,10,000  | 1,10,000    |
| 3                          | Contingencies        |            |           |             |
| A                          | Contingency          | 20,50,000  | 20,50,000 | 20,50,000   |
| B                          | HRD                  | 30,000     | 30,000    | 30,000      |
| C                          |                      |            |           |             |
| D                          |                      |            |           |             |
| E                          |                      |            |           |             |

| Sl.No.                         | Particulars            | Sanctioned | Released  | Expenditure |
|--------------------------------|------------------------|------------|-----------|-------------|
| <i>F</i>                       |                        |            |           |             |
| <i>G</i>                       |                        |            |           |             |
| <i>H</i>                       |                        |            |           |             |
| <i>I</i>                       |                        |            |           |             |
| <i>J</i>                       |                        |            |           |             |
| TOTAL (A)                      |                        | 21,90,000  | 21,90,000 | 21,77,427   |
| B. Non-Recurring Contingencies |                        |            |           |             |
| 1                              | Library                | 10,000     | 10,000    | 10,000      |
| 2                              | Information Technology | 50,000     | 50,000    | 50,000      |
| 3                              | Equipment & Furniture  | 35,000     | 35,000    | 35,000      |
| 4                              | Borewell               | 3,00,000   | 3,00,000  | 3,00,000    |
| 5                              | Vehicle (4 wheeler)    | 9,00,000   | 9,00,000  | 9,00,000    |
| TOTAL (B)                      |                        | 12,95,000  | 12,95,000 | 12,95,000   |
| C. REVOLVING FUND              |                        |            |           |             |
| GRAND TOTAL (A+B+C)            |                        | 34,85,000  | 34,85,000 | 34,72,427   |

7.5. Status of revolving fund (Rs. in lakh) for last three years

| Year    | Opening balance as on 1 <sup>st</sup> April | Income during the year | Expenditure during the year | Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash) |
|---------|---|------------------------|-----------------------------|--|
| 2019-20 | 1,47,356.30                                 | 4,67,930               | 4,60,617.60                 | 1,54,668.70  |
| 2020-21 | 1,54,668.70                                 | 2,90,516.50            | 3,54,557.60                 | 90,277.60  |
| 2021-22 | 90,227.60                                   | 64,6837                | 34,9102                     | 23,0174  |

|         |             |         |         |             |
|---------|-------------|---------|---------|-------------|
| 2022-23 | 2,30,171.60 | 19,5517 | 31,3076 | 2,27,300.60 |
|---------|-------------|---------|---------|-------------|

- 7.6. (i) Number of SHGs formed by KVKs  
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities  
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

| Name of activity               | Number of activity | Season          | With line department | With ATMA | With both |
|--------------------------------|--------------------|-----------------|----------------------|-----------|-----------|
| World Soil Day                 | 1                  | Rabi            | -                    | -         | √         |
| Planting material verification | 6                  | Kharif and rabi | √                    | -         | -         |
| Farmers-scientist interaction  | 2                  | Rabi            | -                    | √         | -         |
| Farmer's fair                  | 1                  | Rabi            | -                    | -         | √         |
| Fertilizers dealer's training  | 1                  | Rabi            | √                    | -         | -         |

8. Other information

8.1. Prevalent diseases in Crops.

| Name of the disease | Crop  | Date of outbreak | Area affected (in ha) | % Commodity loss | Preventive measures taken for area (in ha) |
|---------------------|-------|------------------|-----------------------|------------------|--|
| FAW                 | Maize | July             | 300                   | 60               | Need based PP chemicals, advisory          |

8.2. Prevalent diseases in Livestock/Fishery

| Name of the disease | Species affected | Date of outbreak | Number of death/<br>Morbidity rate (%) | Number of animals vaccinated | Preventive measures taken in pond (in ha) |
|---------------------|------------------|------------------|--|------------------------------|---|
|                     |                  |                  |  |                              |   |

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

### 9.1. Nehru Yuva Kendra(NYK) Training

| Title of the training programme | Period |    | No. of the participant |   | Amount of Fund Received (Rs) |
|---------------------------------|--------|----|------------------------|---|------------------------------|
|                                 | From   | To | M                      | F |                              |
|                                 |        |    |                        |   |                              |
|                                 |        |    |                        |   |                              |

### 9.2. *mKisan*Portal (National Farmers' Portal/ SMSPortal)

| Type of message      | No. of messages | No. of farmers covered |
|----------------------|-----------------|------------------------|
| Crop                 | 10              | 72,848                 |
| Livestock            | 4               | 20,912                 |
| Fishery              | 0               |                        |
| Weather              | 3               | 18411                  |
| Marketing            | -               | -                      |
| Awareness            | 6               | 38,530                 |
| Training information | 4               | 32,448                 |

|                             |    |          |
|-----------------------------|----|----------|
| Other(Mushroom cultivation) | 4  | 31262    |
| <b>Total</b>                | 31 | 2,14,411 |

### 9.3. KVK Portal and Mobile App

| Sl. No. | Particulars                                | Description |
|---------|--|-------------|
| 1.      | No. of visitors visited the portal         | 72          |
| 2.      | No. of farmers registered in the portal    | 6409        |
| 3.      | Mobile Apps developed by KVK               | Nil         |
| 4.      | Name of the App                            | -           |
| 5.      | Language of the App                        | -           |
| 6.      | Meant for crop/ livestock/ fishery/ others | -           |
| 7.      | No. of times downloaded                    | -           |

### 9.4. a. Observation of Swachh Bharat Programme

| Date/ Duration of Observation | Activities undertaken |
|-------------------------------|-----------------------|
|                               |                       |
|                               |                       |
|                               |                       |
|                               |                       |
|                               |                       |
|                               |                       |

### b. Details of Swachhta activities with expenditure

| Activities                                  | Number | Expenditure (in Rs.) |
|---|--------|----------------------|
| 1. Digitization of office records/ e-office |        |                      |
| 2. Basic maintenance                        |        |                      |
| 3. Sanitation and SBM                       |        |                      |

|  |           |                |
|--|-----------|----------------|
| 4. Cleaning and beautification of surrounding areas  | 18        | 6210/-         |
| 5. Vermicomposting/<br>Composting of biodegradable waste management & other activities on generate of wealth for waste | 19        | 6555/-         |
| 6. Used water for agriculture/ horticulture application  |           |                |
| 7. Swachhta Awareness at local level   | 12        |                |
| 8. Swachhta Workshops  |           |                |
| 9. Swachhta Pledge   |           |                |
| 10. Display and Banner   | 6         | 2250/-         |
| 11. Foster healthy competition   |           |                |
| 12. Involvement of print and electronic media  |           |                |
| 13. Involving the farmers, farm women and village youth in the adopted villages<br>(no of adopted village)             | 6         |                |
| 14. No of Staff members involved in the activities   | 12        |                |
| 15. No of VIP/VVIPs involved in the activities   |           |                |
| 16. Any other specific activity (in details)Handwash,Phynyl,Acid,Dustbin,Broom,Brush,Mop etc                           |           | 1935/-         |
| <b>Total</b>   | <b>73</b> | <b>16950/-</b> |

## 9.5. Observation of National Science day

| Date of Observation | Activities undertaken |
|---------------------|-----------------------|
|                     |                       |
|                     |                       |
|                     |                       |

## 9.6. Programme with SeemaSurakshaBal/ BSF

| Title of Programme | Date | No. of participants |
|--------------------|------|---------------------|
|                    |      |                     |

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

## 9.7. Agriculture Knowledge in rural school

| Name and address of school | Date of visit to school | Areas covered | Teaching aids used |
|----------------------------|-------------------------|---------------|--------------------|
|                            |                         |               |                    |

Give good quality 1-2 photograph(s)

## 9.8. Details of 'Pre-Rabi Campaign' Programme

| Date of programme | No. of Union Ministers attended the programme | No. of Hon'ble MPs (Loksabha/Rajyasabha) participated | No. of State Govt. Ministers | Participants (No.)          |                        |                     |                |         |                                   | Coverage by Door Darshan (Yes/No) | Coverage by other channels (Number) |
|-------------------|---|---|------------------------------|-----------------------------|------------------------|---------------------|----------------|---------|-----------------------------------|-----------------------------------|-------------------------------------|
|                   |   |   |                              | MLAs Attended the programme | Chairman ZilaPanchayat | Distt. Collector/DM | Bank Officials | Farmers | Govt. Officials, PRI members etc. |                                   |                                     |
|                   |   |   |                              |                             |                        |                     |                |         |                                   |                                   |                                     |
|                   |   |   |                              |                             |                        |                     |                |         |                                   |                                   |                                     |
|                   |   |   |                              |                             |                        |                     |                |         |                                   |                                   |                                     |
|                   |   |   |                              |                             |                        |                     |                |         |                                   |                                   |                                     |

## 9.9. Details of Swachhta Hi Sewaprogramme organized

| Sl. No. | Activity         | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
|---------|------------------|--------------------------|---------------------|-------------|--------------------|
| 1       | Cleaning village | 12                       | 360                 | -           | -                  |
|         |                  |                          |                     |             |                    |
|         |                  |                          |                     |             |                    |

## 9.10. Details of Mahila Kisan Divas programme organized

| Sl. No. | Activity | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
|---------|----------|--------------------------|---------------------|-------------|--------------------|
|         |          |                          |                     |             |                    |

|   |   |   |    |     |     |
|---|---|---|----|-----|-----|
| 1 | Meeting, sharing experience, success story deliberation | 1 | 40 | Nil | Nil |
|   |   |   |    |     |     |
|   |   |   |    |     |     |

## 9.11. No. of Progressive/Innovative/Lead farmer identified (category wise)

| Sl. No. | Name of Farmer      | Address of the farmer with contact no.   | Innovation/ Leading in enterprise |
|---------|---------------------|--|-----------------------------------|
| 1       | Debananda Pingua    | Askipal /Teranti/Sukuruli ,9437798093    | Integrated farming                |
| 2       | Prahalad Mohanta    | Kulanda/Angarpada/Raruan ,8328807291     | Vegetable cultivation             |
|         | Sandhyarani Mohanta | Tangabila/Tangabila/Jashipur, 9668316099 | Mushroom cultivation              |
| 3       | Pramila Setty       | Kaptira/Matiagarh/Jashipur/ 6370391409   | Organic Pesticide                 |

## 9.12. Revenue generation

| Sl.No. | Name of Head | Income(Rs.) | Sponsoring agency |
|--------|--------------|-------------|-------------------|
| 1.     |              |             |                   |
| 2.     |              |             |                   |
| 3.     |              |             |                   |

## 9.13. Resource Generation:

| Sl.No. | Name of the programme | Purpose of the programme | Sources of fund | Amount (Rs. lakhs) | Infrastructure created |
|--------|-----------------------|--------------------------|-----------------|--------------------|------------------------|
|--------|-----------------------|--------------------------|-----------------|--------------------|------------------------|

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

## 9.14. Performance of Automatic Weather Station in KVK- NA

| Date of establishment | Source of funding i.e. IMD/ICAR/Others (pl. specify) | Present status of functioning |
|-----------------------|--|-------------------------------|
|                       |  |                               |
|                       |  |                               |

## 9.15. Contingent crop planning

| Name of the state | Name of district/KVK | Thematic area | Number of programmes organized | Number of Farmers contacted | A brief about contingent plan executed by the KVK |
|-------------------|----------------------|---------------|--------------------------------|-----------------------------|---|
|                   |                      |               |                                |                             |   |

## 10. Report on Cereal Systems Initiative for South Asia (CSISA) : N.A.

- a) Year:  
b) Introduction / General Information:

|              | Title | Objective | Treatment details | Date of sowing | Replication | Result with photographs |
|--------------|-------|-----------|-------------------|----------------|-------------|-------------------------|
| Experiment 1 |       |           |                   |                |             |                         |
| Experiment 2 |       |           |                   |                |             |                         |
| Experiment 3 |       |           |                   |                |             |                         |

|                 |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|
| ...             |  |  |  |  |  |  |
| ..              |  |  |  |  |  |  |
| Others (If any) |  |  |  |  |  |  |

## 11. Details of TSP

### a. Achievements of physical output under TSP during 2022-23

| <b>Programmes</b>  | <b>Physical achievements</b>   |
|--|--|
| Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)   | Nil  |
| On-farm trials (Number)  | 5  |
| Frontline demonstrations (Number)  | 11   |
| Farmers training (in lakh)   | 0.01062  |
| Extension personnel training (in lakh)   | 0.00190  |
| Participants in extension activities (in lakh)   | 0.01181  |
| Seed production (in tonnes)  | 16.3   |
| Planting material production (in lakh)   | 0.48810  |
| Livestock strains and fingerlings production (in lakh)   | 0.01   |
| Soil, water, plant, manures samples testing (in lakh)  | 0.00040  |
| Provision of mobile agro – advisory to farmers (in lakh)   | 2.32407  |
| No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.) | 22 Nos.<br>Mask Distribution, Covid Awareness, Audio Conference, Cleaning and Sanitising Office Campus under Swachhata, Poshan Maah, Mahila Kisan Diwas, World Food Day, Swatchha Bharat Abhiyan, Agriculture Education Day, World Soil day, E-Farmers Fair, Vigilance Awareness Week, Web-casting of PM KISAN, International Women’s Day, |

|  |   |
|--|---|
|  | World Water Day, Farmers-Scientist Interaction ,Workshop on Mushroom Cultivation developed under Mission Shakti |
|--|---|

b. Fund received under TSP in 2020-21 (Rs. In lakh):

c. (i) Achievements of physical outcome under TSP during 2020-21

| Sl. No. | Description   | Unit              | Achievements |
|---------|---|-------------------|--------------|
| 1       | Change in family income                                       | %                 | 16.6         |
| 2       | Change in family consumption level                            | %                 | 15.7         |
| 3       | Change in availability of agricultural implements/ tools etc. | No. per household | 14           |

(ii) Table:

| <i>Sl. No.</i> | <i>Description</i>  | <i>Unit</i> | <i>Achievements</i> |
|----------------|---|-------------|---------------------|
| 1              | Number of Technologies Identified after Assessment                        | Number      | 5                   |
| 2              | Upgraded Skills and Knowledge of farmers                                  | Number      | 9                   |
| 3              | Oriented extension personnel in frontier areas of agricultural technology | Number      | 8                   |
| 4              | Increased availability of quality seed                                    | Quintal     | 163                 |
| 5              | Increased availability of quality Planting material                       | Number      | 48810               |
| 6              | Increased availability of live-stock strains and fingerlings              | Number      | 1000                |
| 7              | Testing of Soil & water samples for balance fertilizer use                | Number      | 40                  |

d. Location and Beneficiary Details during 2020-21

| <i>District</i> | <i>Sub-district</i>   | <i>No. of Village covered</i> | <i>Name of village(s) covered</i>   | <i>ST population benefitted (No.)</i> |     |      |
|-----------------|---|-------------------------------|---|---------------------------------------|-----|------|
|                 |   |                               |   | M                                     | F   | T    |
| Mayurbhanj      | Jashipur, Raruan, Karanjia, Sukruli, Rairangpur, Thakurmunda, Kusumi, Jamda, Rairangpur | 25                            | Kaptira, Gaudagaon, Tangabila, Badbil, Askipal, Hatigoda, Kumari, Jhumkakudar, Hatabadada, Chemundia, Kaliani, Kulandi, Sanagaon, Tilusahi, Matiagarh, Salurpada, Kalapathar, Kasipal, Jamunalia, Askipal, Podadiha, Rasamtala, Kalandia, Jamda, Nihangandi | 657                                   | 492 | 1149 |

## 12. Schedule caste Output & Outcome achievements

| Sl. No. | Indicator/Activities                       | Unit of Indicator | Achievements |
|---------|--|-------------------|--------------|
| 1       | Farmers, farm women trained by KVKs        | Number            | 378          |
| 2       | Extension personnel trained by KVKs        | Number            | 48           |
| 3       | On-farm trials conducted by KVKs           | Number            | 9            |
| 4       | Frontline demonstrations conducted by KVKs | Number            | 11           |
| 5       | Quantity of seeds produced                 | Quintal           | -            |
| 6       | Planting materials Produced                | Number            | 27           |
| 7       | Livestock strains and fingerlings produced | Number            | -            |
| 8       | Soil & water samples tested                | Number            | 8            |

13. Information pertaining to ARYA Project : N.A.



## Crop Management

| Name of intervention undertaken | Area (ha) | No of farmers covered / benefitted |   |    |   |       |   |       |   |   | Remarks |
|---------------------------------|-----------|------------------------------------|---|----|---|-------|---|-------|---|---|---------|
|                                 |           | SC                                 |   | ST |   | Other |   | Total |   |   |         |
|                                 |           | M                                  | F | M  | F | M     | F | M     | F | T |         |
|                                 |           |                                    |   |    |   |       |   |       |   |   |         |
|                                 |           |                                    |   |    |   |       |   |       |   |   |         |

## Livestock and fisheries

| Name of intervention undertaken | Number of animals covered | No of units | Area (ha) | No of farmers covered / benefitted |   |    |   |       |   |       |   |   | Remarks |
|---------------------------------|---------------------------|-------------|-----------|------------------------------------|---|----|---|-------|---|-------|---|---|---------|
|                                 |                           |             |           | SC                                 |   | ST |   | Other |   | Total |   |   |         |
|                                 |                           |             |           | M                                  | F | M  | F | M     | F | M     | F | T |         |
|                                 |                           |             |           |                                    |   |    |   |       |   |       |   |   |         |
|                                 |                           |             |           |                                    |   |    |   |       |   |       |   |   |         |

## Institutional interventions

| Name of intervention undertaken | No of units | Area (ha) | No of farmers covered / benefitted |   |    |   |       |   |       |   |   | Remarks |
|---------------------------------|-------------|-----------|------------------------------------|---|----|---|-------|---|-------|---|---|---------|
|                                 |             |           | SC                                 |   | ST |   | Other |   | Total |   |   |         |
|                                 |             |           | M                                  | F | M  | F | M     | F | M     | F | T |         |
|                                 |             |           |                                    |   |    |   |       |   |       |   |   |         |
|                                 |             |           |                                    |   |    |   |       |   |       |   |   |         |

## Capacity building

| Thematic area | No of Courses | No of beneficiaries |    |       |       |
|---------------|---------------|---------------------|----|-------|-------|
|               |               | SC                  | ST | Other | Total |
|               |               |                     |    |       |       |

|  |  |   |   |   |   |   |   |   |   |   |
|--|--|---|---|---|---|---|---|---|---|---|
|  |  | M | F | M | F | M | F | M | F | T |
|  |  |   |   |   |   |   |   |   |   |   |

## Extension activities

| Thematic area | No of activities | No of beneficiaries |    |   |       |   |       |   |   |   |
|---------------|------------------|---------------------|----|---|-------|---|-------|---|---|---|
|               |                  | SC                  | ST |   | Other |   | Total |   |   |   |
|               |                  | M                   | F  | M | F     | M | F     | M | F | T |
|               |                  |                     |    |   |       |   |       |   |   |   |

Detailed report should be provided in the circulated Performa

## 15. Awards/Recognition received by the KVK

| Sl. No. | Name of the Award | Year | Conferring Authority | Amount | Purpose |
|---------|-------------------|------|----------------------|--------|---------|
|         |                   |      |                      |        |         |
|         |                   |      |                      |        |         |

## Award received by Farmers from the KVK district

| Sl. No. | Name of the Award       | Name of the Farmer | Year | Conferring Authority | Amount | Purpose             |
|---------|-------------------------|--------------------|------|----------------------|--------|---------------------|
| 1.      | Best Progressive farmer | Mrs.Pramila Setty  | 2022 | OUAT                 | -      | OUAT Foundation Day |
|         |                         |                    |      |                      |        |                     |

## 16. Any significant achievement of the KVK with facts and figures as well as quality photograph

17. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

| Sl. No. | Name of the organization/ Society | Trust Deed No.& date | Date of Trust Registration | Proposed Activity | Commodity Identified | No. of Members | Financial position | Success indicator |
|---------|-----------------------------------|----------------------|----------------------------|-------------------|----------------------|----------------|--------------------|-------------------|
|---------|-----------------------------------|----------------------|----------------------------|-------------------|----------------------|----------------|--------------------|-------------------|

|  |  |  |         |  |  |  |                  |  |
|--|--|--|---------|--|--|--|------------------|--|
|  |  |  | Address |  |  |  | (Rupees in lakh) |  |
|  |  |  |         |  |  |  |                  |  |
|  |  |  |         |  |  |  |                  |  |
|  |  |  |         |  |  |  |                  |  |

## 18. Integrated Farming System (IFS)

Details of KVK Demo. Unit- NA

| Sl. No. | Module details (Component-wise) | Area under IFS (ha) | Production (Commodity-wise) | Cost of production in Rs. (Component-wise) | Value realized in Rs. (Commodity-wise) | No. of farmer adopted practicing IFS | % Change in adoption during the year |
|---------|---------------------------------|---------------------|-----------------------------|--|--|--------------------------------------|--------------------------------------|
|         |                                 |                     |                             |  |  |                                      |                                      |
|         |                                 |                     |                             |  |  |                                      |                                      |

## 19. Technologies for Doubling Farmers' Income

| Sl. No. | Name of the Technology | Brief Details of Technology (3- 5 bullet points) | Net Return to the farmer (Rs.) per ha per year due to adoption of the technology | No. of farmers adopted the technology in the district | One high resolution 'Photo' in 'jpg' format for each technology |
|---------|------------------------|--|--|---|---|
| 1       | 1                      | Aseel breed                                      | Brooder unit by SHGs linkage with Mission Shakti                                 | 3650  |   |
| 2       | 2                      | Paddy Mushroom                                   | Paddy mushroom cultivation   | 1200  |   |
|         | 3                      | Oyster Mushroom                                  | Oyster Mushroom Cultivation  | 780   |   |

## 20. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service NA

|  |                                |                     |  |
|--|--------------------------------|---------------------|--|
|  | Database prepared/ covered for | KVK level Committee | Various activity conducted for farmers |
|--|--------------------------------|---------------------|--|



## 23. Information on NARI Project(if applicable) NA

| Name of Nodal Officer | No. of OFT on specified aspects | Title(s) of OFT | No. of FLD on specified aspects | No. of capacity development programme on specified aspects | Total no. of farm women/ girls involved in the project | Details of Issues related to gender mainstreaming addressed through the project |
|-----------------------|---------------------------------|-----------------|---------------------------------|--|--|---|
|                       |                                 |                 |                                 |  |  |   |
|                       |                                 |                 |                                 |  |  |   |
|                       |                                 |                 |                                 |  |  |   |

## 24. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

*KrishiKalyanAbhiyan- I and II-NA*

## A. Training

| Name of programme | No. of programmes | No. of farmers benefitted |   |    |   |        |   |       |   |   | No. of officials attended the programme |
|-------------------|-------------------|---------------------------|---|----|---|--------|---|-------|---|---|---|
|                   |                   | SC                        |   | ST |   | Others |   | Total |   |   |   |
|                   |                   | M                         | F | M  | F | M      | F | M     | F | T |   |
|                   |                   |                           |   |    |   |        |   |       |   |   |   |
| <b>KKA-I</b>      |                   |                           |   |    |   |        |   |       |   |   |   |
| <b>KKA-II</b>     |                   |                           |   |    |   |        |   |       |   |   |   |

## B.

## C. Distribution of seed/ planting materials/ input/ others -NA



**KrishiKalyanAbhiyan- III-NA**

| No. of villages covered | No. of animal inseminated | No. of farmers benefitted |   |    |   |        |   |       |   |   | Any other, if any (pl. specify) |
|-------------------------|---------------------------|---------------------------|---|----|---|--------|---|-------|---|---|---------------------------------|
|                         |                           | SC                        |   | ST |   | Others |   | Total |   |   |                                 |
|                         |                           | M                         | F | M  | F | M      | F | M     | F | T |                                 |
|                         |                           |                           |   |    |   |        |   |       |   |   |                                 |

## 25. Nutri-garden

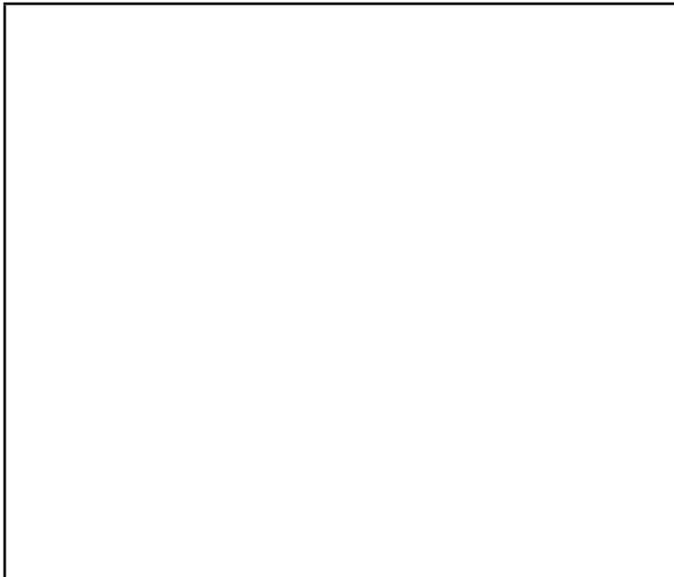
| Sl.no. | Name of KVK   | Established in KVK Campus | No. of nutria-garden established in the village | Major vegetables production  |
|--------|---------------|---------------------------|---|--|
| 1      | Mayurbhanj-II | 2014                      | 120   | Brinjal, Tomato, Green vegetable, Cauliflower, papaya, Drumstick, Cucumber, Bottle gourd etc |

## 26. Any other programme organized by KVK, not covered above

| Sl.No. | Name of the programme | Date of the programme | Venue | Purpose | No. of participants |
|--------|-----------------------|-----------------------|-------|---------|---------------------|
|        |                       |                       |       |         |                     |
|        |                       |                       |       |         |                     |

## 27. Good quality action photographs of overall achievements of KVK during the year (best 10)



|  |   |   |
|--|---|---|
|   |       |    |
| <p>OFT on Assessment of different Ragi threshing machines</p>                      | <p>OFT on Assessment of different fodders for dairy nutrition &amp; milk production</p> | <p>FLD on demonstration of Demonstration of high yielding spices Oyster mushroom <i>Hysipigyus Ulmarius</i> in extreme Cold Condition</p> |
|  |      |   |
| <p>FLD on Demonstration of single line trellis system in bitter gourd</p>          | <p>FLD on Demonstration of Red spider mite in Brinjal</p>                               | <p>FLD on Demonstration of CRIJAF weeder for intercultural operation in ragi</p>  |



FLD on Hybrid maize Kalinga Raj



TSP programme on Backyard poultry



Farmer's Fair under natural farming



Farmer' fair under Jala Shakti Abhiyan



12<sup>th</sup> SAC meeting



RY training on value addition of millets

## 28. SC SP quarter-wise

**Table-I: Schedule Caste Output & Outcome Achievement/Indicators for 2022-22 (QUARTER-WISE)  
Physical Output 2022-2022**

| Sl. No. | Indicator/Activities  | Unit of Indicator | Quarterly Breakup (Target)                  | Targets Achieved  | No. of Beneficiaries                 | Outcome |
|---------|---|-------------------|---|---|--------------------------------------|---------|
| 1       | Farmers, farm women trained by KVKs                         | Number            | Q-1 }<br>Q-2 }<br>Q-3 } 34<br>Q-4 }         | Q-1 Nil<br>Q-2 Nil<br>Q-3 24<br>Q-4 10                        | Q-1 -<br>Q-2 -<br>Q-3 680<br>Q-4 340 |         |
| 2       | Extension personnel trained by KVKs                         | Number            | Q-1 }<br>Q-2 }<br>Q-3 } 9<br>Q-4 }          | Q-1 Nil<br>Q-2 2<br>Q-3 1<br>Q-4 5                            | Q-1 -<br>Q-2 75<br>Q-3 75<br>Q-4 75  |         |
| 3       | On-farm trials conducted by KVKs                            | Number            | Q-1 }<br>Q-2 }<br>Q-3 } 5<br>Q-4 }          | Q-1 1<br>Q-2 2<br>Q-3 1<br>Q-4 1                              | Q-1 12<br>Q-2 32<br>Q-3 7<br>Q-4 7   |         |
| 4       | Frontline demonstrations conducted by KVKs                  | Number            | Q-1 }<br>Q-2 }<br>Q-3 } 10<br>Q-4 }         | Q-1 Nil<br>Q-2 Nil<br>Q-3 5<br>Q-4 6                          | Q-1 10<br>Q-2 25<br>Q-3 50<br>Q-4 15 |         |
| 5       | Quantity of seeds produced                                  | Quintal           | Q-1 }<br>Q-2 } 80 qtl<br>Q-3 }<br>Q-4 }     | Q-1 76 qtl<br>Q-2 -<br>Q-3 -<br>Q-4 77.00                     | Q-1 -<br>Q-2 -<br>Q-3 -<br>Q-4 -     |         |
| 6       | Planting materials Produced                                 | Number            | Q-1 }<br>Q-2 }<br>Q-3 } 100000 nos<br>Q-4 } | Q-1 7290nos<br>Q-2 37730nos<br>Q-3 48340 nos<br>Q-4 13690 nos | Q-1 21<br>Q-2 42<br>Q-3 56<br>Q-4 32 |         |
| 7       | Livestock strains and fingerlings produced (Poultry Chicks) | Number            | Q-1 }<br>Q-2 } 2000 nos<br>Q-3 }<br>Q-4 }   | Q-1 Nil<br>Q-2 600<br>Q-3 900 nos<br>Q-4                      | Q-1 -<br>Q-2 60<br>Q-3 90<br>Q-4     |         |

| Sl. No. | Indicator/Activities        | Unit of Indicator | Quarterly Breakup (Target)              | Targets Achieved                      | No. of Beneficiaries               | Outcome |
|---------|-----------------------------|-------------------|---|---------------------------------------|------------------------------------|---------|
| 8       | Soil & water samples tested | Number            | Q-1 }<br>Q-2 }<br>Q-3 } 50 nos<br>Q-4 } | Q-1 7<br>Q-2 Nil<br>Q-3 Nil<br>Q-4 33 | Q-1 14<br>Q-2 -<br>Q-3 -<br>Q-4 66 |         |

1,07050