



DR. RAJENDRA PRASAD CENTRAL  
AGRICULTURAL UNIVERSITY,  
PUSA, SAMASTIPUR



KRISHI VIGYAN KENDRA, MANJHI, SARAN

**ANNUAL REPORT**  
**January – December, 2024**

**Directorate of Extension Education, Pusa**  
**Samastipur-848125**

## **PROFORMA FOR ANNUAL REPORT 2024 (01<sup>st</sup> January- 31<sup>st</sup> December 2024)**

### **1. GENERAL INFORMATION ABOUT THE KVK**

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

| Name and address of KVK | Telephone      |     | E-Mail                                                                                           |
|-------------------------|----------------|-----|--------------------------------------------------------------------------------------------------|
|                         | Office         | FAX |                                                                                                  |
| KVK Saran, Bihar        | 9198985483 (M) | -   | head.kvk.manjhi@rpcau.ac.in<br>Website: <a href="http://www.saran.kvk4.in">www.saran.kvk4.in</a> |

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

| Name and address of Host Organization                           | Telephone                                         |     | E mail                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------|---------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                 | Office                                            | FAX |                                                                                                                                                                                                                                        |
| Dr. Rajendra Prasad Central Agricultural University Pusa, Bihar | 06274240226 (VC Cell)<br><b>06274240251 (DEE)</b> | -   | <a href="mailto:dee@rpcau.ac.in">dee@rpcau.ac.in</a><br><a href="mailto:vc@rpcau.ac.in">vc@rpcau.ac.in</a><br><a href="mailto:psvc@rpcau.ac.in">psvc@rpcau.ac.in</a><br><a href="mailto:nodalkvk@rpcau.ac.in">nodalkvk@rpcau.ac.in</a> |

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

| Name                 | Telephone / Contact |            |                                                                              |
|----------------------|---------------------|------------|------------------------------------------------------------------------------|
|                      | Residence           | Mobile     | Email                                                                        |
| Dr. Sanjay Kumar Rai | KVK Manjhi, Saran   | 6287797158 | <a href="mailto:head.kvk.manjhi@rpcau.ac.in">head.kvk.manjhi@rpcau.ac.in</a> |

#### 1.4. Year of sanction of KVK :F No-18-23/96-AE I 24.03.2006

#### 1.5. Year of start of KVK: 2006

### 1.5. Staff Position (as on 31<sup>st</sup> December 2024)

| Sl. No. | Sanctioned post           | Name of the Incumbent         | Designation                      | Discipline                    | Pay Scale with Present Basic | Date of joining | Permanent/ probation | Category (SC/ST/ OBC/ Others) |
|---------|---------------------------|-------------------------------|----------------------------------|-------------------------------|------------------------------|-----------------|----------------------|-------------------------------|
| 1.      | Senior Scientist& Head    | Dr. Sanjay Kumar Ray          | Senior Scientist and Head        | Horticulture                  | 156900                       | 17.07.2007      | Permanent            | Others                        |
| 2.      | Subject Matter Specialist | Dr. Jitendra Chandra Chandola | S.M.S.                           | Horticulture (Pomology)       | 67000                        | 13.12.2018      | Permanent            | SC                            |
| 3.      | Subject Matter Specialist | Dr. Sushama Tamta             | S.M.S.                           | Agriculture Engineering       | 61300                        | 14.03.2022      | Permanent            | SC                            |
| 4.      | Subject Matter Specialist | Dr. Jeer Vanayaka             | S.M.S.                           | Plant Protection (Entomology) | 61300                        | 10.03.2022      | Permanent            | Other                         |
| 5.      | Programme Assistant       | Dr. Vijay Kumar               | Programme Assistant (Lab. Tech.) | Soil Science                  | 43600                        | 28.11.2017      | Permanent            | OBC                           |
| 6.      | Assistant/ Superintendent | Mr. Amitesh Kumar Gaurav      | Assistant                        | M.A. (Hindi)                  | 43600                        | 23.11.2017      | Permanent            | OBC                           |
| 7.      | Stenographer              | Mr. Rama Ranjan               | Stenographer                     | Graduate                      | 30500                        | 20.02.2018      | Permanent            | Others                        |
| 8.      | Driver                    | Uma Shankar Kumar             | Tractor Driver                   | Graduate (History)            | 24500                        | 27.02.2021      | Permanent            | OBC                           |
| 9.      | Driver                    | Ankit Kumar Mishra            | Jeep Driver                      | Graduate (History)            | 24500                        | 01.04.2021      | Permanent            | Others                        |
| 10.     | Supporting staff          | Sri Raviranjan Kumar          | Skill Supporting Staff           | Graduate                      | 20300                        | 01.03.2021      | Permanent            | Others                        |
| 11.     | Supporting staff          | Sri Rakesh Kumar              | Skill Supporting Staff           | 12 <sup>th</sup>              | 20300                        | 16.03.2021      | Permanent            | Others                        |

### 1.6. Total land with KVK (in ha):

| S. No. | Item                      | Area (ha)    | Name of infrastructure                                                                                                                                                                    |
|--------|---------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Under Buildings           | 2            | Administrative Building, Farmer's Hostel, Implement shed, Seed hub processing unit and 03nos. of Staff's quarters                                                                         |
| 2.     | Under Demonstration Units | 2            | Technology Park, Vermicompost, Mushroom, Azolla, NADEP, Fodder, Polyhouse, Shade net, CRA long term experimental unit, Fish Pond Nutritious kitchen garden model, Poultry and Bovine unit |
| 3.     | Under Crops               | 11.9         | Irrigation chamber, Threshing floor and godown                                                                                                                                            |
| 4.     | Orchard/ Agro-forestry    | 4            | -                                                                                                                                                                                         |
| 5.     | Others with details       | 0            | -                                                                                                                                                                                         |
|        | <b>Total</b>              | <b>19.90</b> |                                                                                                                                                                                           |

\*Total area should be matched with breakup

### 1.7. Infrastructure Development: A) Buildings and others

| S. No. | Name of infrastructure          | Not yet started | Completed up to plinth level | Completed up to lintel level | Completed up to roof level | Totally completed | Plinth area (sq.m)                                                       | Functional/ non-functional* | Source of funding |
|--------|---------------------------------|-----------------|------------------------------|------------------------------|----------------------------|-------------------|--------------------------------------------------------------------------|-----------------------------|-------------------|
| 1.     | Administrative Building         | -               | -                            | -                            | -                          | Y                 | 423.25                                                                   | Functional                  | ICAR              |
| 2.     | Farmers Hostel                  | -               | -                            | -                            | -                          | Y                 | 305                                                                      | Functional                  | ICAR              |
| 3.     | Staff Quarters (6)              | -               | -                            | -                            | -                          | Y                 | 71.12 (PC and FM)<br>120.32 (Technical-2 unit)<br>78 (Supporting-2 unit) | Functional                  | ICAR              |
| 4.     | Piggery unit                    | N               | -                            | -                            | -                          | -                 | -                                                                        | Non-Functional              |                   |
| 5.     | Fencing                         |                 | -                            | -                            | -                          | Y                 | -                                                                        | Functional                  | ICAR              |
| 6.     | Rain Water harvesting structure | N               | -                            | -                            | -                          | -                 | -                                                                        | Non-Functional              |                   |
| 7.     | Threshing floor                 | -               | -                            | -                            | -                          | Y                 | 130                                                                      | Functional                  | ICAR              |
| 8.     | Farm godown                     | -               | -                            | -                            | -                          | Y                 | 78                                                                       | Functional                  | ICAR              |
| 9.     | Dairy unit                      | N               | -                            | -                            | -                          | -                 | -                                                                        | Non-Functional              |                   |
| 10.    | Poultry unit                    | N               | -                            | -                            | -                          | -                 | -                                                                        | Non-Functional              |                   |
| 11.    | Goatry unit                     | N               | -                            | -                            | -                          | -                 | -                                                                        | Non-Functional              |                   |
| 12.    | Mushroom Lab                    | N               | -                            | -                            | -                          | Y                 | -                                                                        | Non-Functional              |                   |
| 13.    | Mushroom production unit        | -               | -                            | -                            | -                          | Y                 | 30m X 20m                                                                | Functional                  | ICAR              |

|     |                                  |   |   |   |   |   |               |                |                                 |
|-----|----------------------------------|---|---|---|---|---|---------------|----------------|---------------------------------|
| 14. | Shade house                      |   | - | - | - | - | -             | Non-Functional |                                 |
| 15. | Soil test Lab                    | N | - | - | - | - | -             | Non-Functional |                                 |
| 16  | Seed Hub godown                  |   | - | - | - | Y | -             | Functional     | ICAR                            |
| 17  | Poly house                       | Y | - | - | - | - | 200           | Functional     | Bihar govt.                     |
| 18  | Greenhouse shed net              | Y | - | - | - | - | 200           | Non-Functional | Bihar Govt.                     |
| 19  | Solar tree with submersible pump |   | - | - | - | - | 2 nos.        | Non-Functional | DRPCAUI                         |
| 20  | Azolla unit                      |   | - | - | - | - | -             | Functional     | ICAR under demo unit            |
| 21  | Vermi-compost unit               |   | - | - | - | - | 28            | Functional     |                                 |
| 22  | Implement Shed                   | Y | - | - | - | - | 50ft. X75 ft. | Functional     | Bihar Govt. under CRA programme |

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

#### B) Vehicles

| Type of vehicle               | Year of purchase                                   | Cost (Rs.)                           | Total km. Run                    | Present status                                                        |
|-------------------------------|----------------------------------------------------|--------------------------------------|----------------------------------|-----------------------------------------------------------------------|
| <b>Jeep Bolero</b>            |                                                    |                                      |                                  |                                                                       |
| <b>Tractor<br/>(3 Nos.)</b>   | (1) 05.12.2006<br>(2) 16.02.2019<br>(3) 29.07.2021 | (1)475833<br>(2)612036<br>(3) 612425 | (1) 4137<br>(2) 1212<br>(3) 1081 | (1) Needs Repairing<br>(2) Working condition<br>(3) Working condition |
| <b>Motorcycle<br/>(2 Nos)</b> | August 2016                                        | 120000.00                            | (1) 47975<br>(2) 30011           | Working condition                                                     |

#### C) Equipment & AV aids

| Name of equipment                                                                    | Year of purchase | Cost (Rs.)              | Present status | Source of fund |
|--------------------------------------------------------------------------------------|------------------|-------------------------|----------------|----------------|
| <b>a. Lab equipment</b>                                                              |                  |                         |                |                |
| Computer CPU, Monitor, LaserJet 1020 printer, Business jet 1000 printer and scan jet | 2007-08          | 54963.00                | Not Working    | ICAR           |
| AC (2 Nos.)                                                                          | 2019-20          | 77514.00                | Working        | ICAR           |
| <b>b. Farm machinery</b>                                                             |                  |                         |                |                |
| Pump set (7.5 HP) with all the accessories                                           | 2007-08          | 35285.00                | working        | ICAR           |
| Zero Tillage Machine                                                                 | 2007-08          | Supplied by RCT Project | Not working    | ICAR           |

|                                         |                                 | of RAU      |                      |       |
|-----------------------------------------|---------------------------------|-------------|----------------------|-------|
| Furrow Irrigated Raised Bed Planter     | 2007-08                         |             | Good                 | ICAR  |
| Knapsack sprayer                        | 2007-08                         | 1190.00     | Good                 | ICAR  |
| Gatore sprayer                          | 2007-08                         | 3250.00     | Good                 | ICAR  |
| Pump set (5HP) with all accessories)    | 2008-09                         | 25000.00    | Needs Repairing      | ICAR  |
| Generator                               | 2008-09                         | 31540.00    | Good                 | ICAR  |
| Thresher                                | 2008-09                         | 99320.00    | Fully need repairing | ICAR  |
| Reaper+Bund Maker                       | 2008-09                         | 85840.00    | Good                 | ICAR  |
| Sugarcane Cutter Planter                | 2008-09                         | 99320.00    | Need repairing       | ICAR  |
| Rotavator                               | 2008-09                         | 95160.00    | Need repairing       | ICAR  |
| Reaper                                  | 2008-09                         | 75400.00    | Need repairing       | ICAR  |
| Bund Maker                              | 2008-09                         | 10140.00    | Good                 | ICAR  |
| Bucket leveler                          | 2012-13                         |             | Good                 | ICAR  |
| Zero tillage Machine                    | Supplied by Government of Bihar |             |                      |       |
| Paddy Transplanter                      | Supplied by Government of Bihar |             |                      |       |
| Mobile Seed Processing Plant            | Supplied by Government of Bihar |             |                      |       |
| Rotary Plough                           | 2012-13                         |             |                      |       |
| Multi crop Thresher                     | 2012-13                         |             |                      |       |
| Mobile Seed Processing Plant (Seed Hub) | 2017-18                         | 1500000.00  | Good                 | ICAR  |
| Tractor                                 | 2019-2020                       | 612036.00   | Good                 | ICAR  |
| <b>c. AV Aids</b>                       |                                 |             |                      |       |
| Computer CPU, Monitor, printer          | 2010-11                         |             | Not Working          | ICAR  |
| Digital Camera                          | 2008-09                         | 24880.00    | Not Working          | ICAR  |
| Panasonic Tough book                    | 2018-19                         | 215000.00   | Not Working          | RPCAU |
| HP Copier                               | 2019-20                         | 65400.00    | Not Working          | ICAR  |
| HP Color Printer                        | 2019-20                         | 21998.00    | Not Working          | ICAR  |
| Projector                               | 2019-20                         | 76140.00    | Working              | ICAR  |
| Inverter                                | 2020-21                         | 10,000.00   | Working              | ICAR  |
| Battery                                 | 2020-21                         | 15,000.00   | Working              | ICAR  |
| Battery                                 | 2020-21                         | 14,995.00   | Working              | ICAR  |
| Crompton Fan                            | 2020-21                         | 14,320.00   | Working              | ICAR  |
| Acer Desktop                            | 2020-21                         | 1,19,000.00 | Working              | ICAR  |

**D) Farm implements**

| <b>Name of equipment</b>                  | <b>Year of purchase</b> | <b>Cost (Rs.)</b> | <b>Present status</b> | <b>Source of fund</b> |
|-------------------------------------------|-------------------------|-------------------|-----------------------|-----------------------|
| Zero-till-ferti-seed drill-1              | 2011-12                 | --                | Need repairing        | ICAR                  |
| Connoweeder and Marker 10 each            | 2011-12                 | --                | Working               | ICAR                  |
| Bund Maker-2                              | 2011-12                 | --                | Working               | ICAR                  |
| Furrow Irrigated Raised Bed Planter-1     | 2011-12                 | --                | Need repairing        | ICAR                  |
| Furrow Irrigated Raised Bed Planter-1     | 2011-12                 | --                | Need repairing        | ICAR                  |
| Power sprayer -6                          | 2011-12                 | --                | Working               | ICAR                  |
| Rotavator-1                               | 2011-12                 | --                | Working               | ICAR                  |
| Leveler-2                                 | 2011-12                 | --                | Working               | ICAR                  |
| Self-propelled Reaper-1                   | 2012-13                 | --                | Need repairing        | ICAR                  |
| Cultivator-1                              | 2012-13                 | --                | Working               | ICAR                  |
| Disc Harrow                               | 2012-13                 | --                | Working               | ICAR                  |
| Zero-till-ferti-seed drill-1              | 2012-13                 | --                | Need repairing        | ICAR                  |
| Balance                                   | 2010-13                 | --                | Working               | ICAR                  |
| Power weeder                              | 2019-20                 | 21280.00          | Working               | ICAR                  |
| One-wheel garden trolley                  | 2019-20                 | 10,000.00         | Working               | ICAR                  |
| Brush cutter                              | 2019-20                 | 19,723.00         | Working               | ICAR                  |
| Cultivator                                | 2020-21                 | 27,776.00         | Working               | CRA                   |
| Zero till seed cum fertilizer drill       | 2020-21                 | 43,120.00         | Working               | CRA                   |
| Mini daal mill                            | 2020-21                 | 90,000.00         | Working               | CRA                   |
| Rotavator                                 | 2020-21                 | 1,14,918.00       | Working               | CRA                   |
| Multictop thresher                        | 2020-21                 | 1,28,800.00       | Working               | CRA                   |
| Reversible MB plough                      | 2020-21                 | 1,14,240.00       | Working               | CRA                   |
| Potato planter                            | 2020-21                 | 97,500.00         | Working               | CRA                   |
| Power weeder                              | 2020-21                 | 47,600.00         | Working               | CRA                   |
| Multicrop planter                         | 2020-21                 | 99,799.00         | Working               | CRA                   |
| Self-propelled reaper cum binder          | 2020-21                 | 5,20,000.00       | Working               | CRA                   |
| Potato digger                             | 2020-21                 | 1,17,500.00       | Working               | CRA                   |
| Self-propelled rice transplanter          | 2020-21                 | 2,22,800.00       | Working               | CRA                   |
| Tractor operated laser land leveler       | 2021-22                 |                   | Working               | CRA                   |
| Drip Irrigation system (in farmers field) | 2021-22                 | 68,683.00         | --                    | CRA                   |
| Solar mounted boat                        | 2021-22                 | 842502.00         | Working               | CRA                   |
| Tractor operated reaper cum binder        | 2021-22                 | 342000.00         | Working               | CRA                   |
| Hydraulic tractor trailer                 | 2021-22                 | 143400.00         | Working               | CRA                   |

|                                     |         |           |         |     |
|-------------------------------------|---------|-----------|---------|-----|
| Happy seeder                        | 2021-22 | 143000.0  | Working | CRA |
| Tractor operated boom type sprayer  | 2021-22 | -         | Working | CRA |
| Tractor drawn leveler               | 2021-22 | -         | Working | CRA |
| Power tiller with common attachment | 2021-22 | -         | Working | CRA |
| Disc plough                         | 2021-22 | -         | Working | CRA |
| Rice-wheat seeder (10 set)          | 2021-22 | -         | Working | CRA |
| Zero-till seed cum fertilizer       | 2021-22 | 72000.00  | Working | CRA |
| Happy seeder 10 tynes               | 2021-22 | 140000.00 | Working | CRA |
| Straw Baler                         | 2024-25 | -         | Working | CRA |

## 2. Priority thrust areas of KVKs

| S. No | Thrust area                                                                                                            |
|-------|------------------------------------------------------------------------------------------------------------------------|
| 1.    | Productivity enhancement of cereals, pulses and oilseeds.                                                              |
| 2.    | Enhancement of Area, Production and Productivity of Pulses and Oilseeds especially in the chaur lands and Diara lands. |
| 3.    | Promotion of Organic, Natural Farming and vermicomposting.                                                             |
| 4.    | Promotion of horticulture for making the rural youth self-employed.                                                    |
| 5.    | Productivity enhancement of maize in terms of quality and nutritive value.                                             |
| 6.    | Promotion of Climate Resilient Technology                                                                              |
| 7.    | Promotion of Natural farming                                                                                           |
| 8.    | Promotion of green fodder those enabling multicut at farmers holding.                                                  |
| 9.    | Creation of Job opportunities for landless labours through skill development                                           |
| 10.   | Development of livestock and pond based IFS model at farmer's holding.                                                 |
| 11.   | Women Empowerment through agri and allied technological interventions for sustainable income generation activities     |

## 2. a. District level data on agriculture, livestock and farming situation (2024)

| Sl. No | Items                                | Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |
|--------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 1      | Major Farming system/enterprise      | <p>Crop Production is the major Farming System of Saran district with majority of farms having Rice-Wheat cropping system followed by Rice-Maize + Potato, Rice-Maize, Rice-Rapeseed-Mustard and Red Gram as sole crop. Summer crops are generally not taken due to social problems of grazing by Blue bulls and also by untied pet animals wandering in search of green fodder. The district is specifically popular for cereals like wheat in the Rabi season (Covering an area of more than 54% of the total cultivable area.) and Paddy in the Kharif season (Covering about 36% of the total cultivable area). Maize occupies the third position after wheat and rice and is more or less equally important in both Kharif and Rabi (about 18% of the total cultivated area in Rabi and about 16% of the total cultivated area in Kharif). Pulses occupy about 4 % of the total cultivated area in Rabi and about 6 % the total cultivated area in the Kharif season, Red Gram being the most popular pulse crop. Likewise, the oilseeds occupy only 4 % of the total cultivated area in Rabi and only 0.2% in the kharif season.</p> <p>Animal Husbandry is coming up as new enterprises in the district followed by fishery and poultry. Since, the farmers has very small land holding, these enterprises are flourishing in a big way and our action plans are being devised from time to time keeping in view of these changes in cropping systems.</p> |                                       |
|        |                                      | <b>S. No</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Farming system/enterprise</b>      |
|        |                                      | 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crop Production + Animal Husbandry    |
|        |                                      | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crop Production                       |
|        |                                      | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Animal Husbandry                      |
|        |                                      | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crop Production +Fishery              |
|        |                                      | 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crop Production +Poultry              |
|        |                                      | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crop Production +Vegetable Production |
|        |                                      | 7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Crop Production +Fruit Production     |
|        |                                      | 8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Poultry                               |
| 2      | One district one product (NITI Ayog) | Tomato                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |
| 3      | Agro-climatic Zone                   | <p>Saran district lies in the Middle-Gangetic Plain with subtropical climate characterized by hot summer, wet monsoon and dry winter. The average annual rainfall is 1140 mm. The maximum temperature varies from 26 to 35<sup>0</sup> C but during summer months the temperature may exceed than 45<sup>0</sup> C with hot westerly winds from March to June. The minimum temperature varies from 10 to 16<sup>0</sup> C but occasionally it may go below 2-3<sup>0</sup> C. The relative humidity at 7 A.M. varies from 50 to 75 % in summer months which rises up to 97 % or more during monsoon and winter.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |
| 4      | Agro ecological situation            | <b>Agro ecological situation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |
|        |                                      | AES I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Upland rain fed saline lands          |
|        |                                      | AES II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Upland irrigated lands                |
|        |                                      | <b>Characteristics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |
|        |                                      | Alluvial saline soils with Poor drainage and undulating topography, high pH soils (7.5 to 8.2) with white and fluffy outgrowths                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |
|        |                                      | Alluvial plain lands with Loamy silt soils under irrigated conditions subject to periodical inundation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |

|        |                                                                                                |                    |                 |                                |                                                                                                                                      |                                                                                                                                                                                                                         |                |                          |
|--------|------------------------------------------------------------------------------------------------|--------------------|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
|        |                                                                                                | AES III            |                 | Upland rain fed lands          |                                                                                                                                      | Alluvial plain lands with Loamy silt soils subject to periodical inundation                                                                                                                                             |                |                          |
|        |                                                                                                | AES IV             |                 | Irrigated medium lands         |                                                                                                                                      | Alluvial plain lands with Loamy silt soils or silty loam soils                                                                                                                                                          |                |                          |
|        |                                                                                                | AES V              |                 | Low lands                      |                                                                                                                                      | Bowl shaped depressions having heavy clay soils, generally under water logged conditions where there is no source of drainage, Cracks develop when dry due to high sodium content, Deficiency of available Ca, N and Zn |                |                          |
|        |                                                                                                | AES VI             |                 | Diara lands                    |                                                                                                                                      | Light sandy soils with poor water holding capacity, Flooded during monsoons                                                                                                                                             |                |                          |
| 5      | Soil type                                                                                      | S. No              | Land situations | Soil type                      | Characteristics                                                                                                                      |                                                                                                                                                                                                                         | Area (ha)      | Percent (%) of the total |
|        |                                                                                                | 1.                 | Upland          | Alluvial Saline soils          | Poor drainage and undulating topography, high pH soils (7.5 to 8.2) with white and fluffy outgrowths, rain fed conditions            |                                                                                                                                                                                                                         | 67538          | 33.88                    |
|        |                                                                                                | 2.                 | Upland          | Alluvial soils                 | Alluvial plain lands with Loamy silt soils or silty loam soils rich in organic carbon and other nutrients under irrigated conditions |                                                                                                                                                                                                                         |                |                          |
|        |                                                                                                | 3.                 | Medium land     | Alluvial soils                 | Alluvial plain lands with Loamy silt soils or silty loam soils                                                                       |                                                                                                                                                                                                                         | 36630          | 18.37                    |
|        |                                                                                                | 4.                 | Low land        | Heavy clay soils with sodicity | Cracks develop when dry due to high sodium content, Deficiency of available Ca, N and Zn                                             |                                                                                                                                                                                                                         | 65571          | 32.95                    |
|        |                                                                                                | 5.                 | Diara land      | Light sandy soils              | Poor water holding capacity, Poor nutrient holding capacity Flooded during monsoons                                                  |                                                                                                                                                                                                                         | 29561          | 14.80                    |
|        |                                                                                                | Total              |                 |                                |                                                                                                                                      |                                                                                                                                                                                                                         |                |                          |
| 6      | Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others | Crops              | Kharif          |                                | Rabi                                                                                                                                 |                                                                                                                                                                                                                         | Total          |                          |
|        |                                                                                                |                    | Producti on (q) | Productiv ity (q/ha)           | Producti on (q)                                                                                                                      | Productivit y (q/ha)                                                                                                                                                                                                    | Production (q) | Productivity (q/ha)      |
|        |                                                                                                | Wheat              | -               | -                              | 2171785                                                                                                                              | 20.10                                                                                                                                                                                                                   | 2171785        | 20.10                    |
|        |                                                                                                | Paddy              | 1343021         | 17.3                           | -                                                                                                                                    | -                                                                                                                                                                                                                       | 1243057        | 17.3                     |
|        |                                                                                                | Maize              | 501943          | 14                             | 711925                                                                                                                               | 22.6                                                                                                                                                                                                                    | 576453         | 18.3                     |
|        |                                                                                                | Pulses             | 50512           | 7                              | 145882.8                                                                                                                             | 12.6                                                                                                                                                                                                                    | 643044         | 9.8                      |
|        |                                                                                                | Oilseeds           | 2905            | 7.38                           | 59171.2                                                                                                                              | 8.2                                                                                                                                                                                                                     | 113465         | 7.6                      |
|        |                                                                                                | Vegetabl es        | 785036          | 111                            | 12645                                                                                                                                | 2271042                                                                                                                                                                                                                 | 72584          | 148.3                    |
|        |                                                                                                | Orchards and trees | 39610.9         | 9.59                           | 38620.9                                                                                                                              | 9.34                                                                                                                                                                                                                    | 3154           | 10.18                    |
|        |                                                                                                | Sugarcan e         | -               | -                              | 54842                                                                                                                                | 790                                                                                                                                                                                                                     | 54842          | 790                      |
| Potato | -                                                                                              | -                  | 2854419         | 287                            | 2854419                                                                                                                              | 287                                                                                                                                                                                                                     |                |                          |

|   |                                                                  | Month             | Temperature <sup>0</sup> C |         | Relative Humidity (%) |               | Rainfall (mm) |
|---|------------------------------------------------------------------|-------------------|----------------------------|---------|-----------------------|---------------|---------------|
|   |                                                                  |                   | Maximum                    | Minimum | Maximum               | Minimum       |               |
| 7 | Mean yearly temperature, rainfall, humidity of the district      | January 2024      | 24                         | 6       | 92.5                  | 48.2          | 0             |
|   |                                                                  | February 2024     | 29                         | 8       | 85.6                  | 33.4          | 0             |
|   |                                                                  | March 2024        | 38                         | 13      | 69.4                  | 21.4          | 0             |
|   |                                                                  | April 2024        | 43                         | 22      | 56.7                  | 15.4          | 0             |
|   |                                                                  | May 2024          | 43                         | 21      | 81.6                  | 54.2          | 0             |
|   |                                                                  | June 2024         | 44                         | 27      | 86.3                  | 50.1          | 65.8          |
|   |                                                                  | July 2024         | 38                         | 25      | 89.4                  | 68.5          | 95.6          |
|   |                                                                  | August 2024       | 37                         | 24      | 91.7                  | 80.1          | 125.6         |
|   |                                                                  | September 2024    | 36                         | 25      | 92.5                  | 75.4          | 112.9         |
|   |                                                                  | October 2024      | 34                         | 23      | 93.4                  | 56.3          | 95.8          |
|   |                                                                  | Nov-2024          | 31                         | 15      | 89.4                  | 32.4          | 0             |
|   |                                                                  | Dec- 2024         | 19                         | 10      | 96.4                  | 95.6          | 0             |
| 8 | Production of major livestock products like milk, egg, meat etc. | <b>Live stock</b> | <b>Number</b>              |         | <b>Live stock</b>     | <b>Number</b> |               |
|   |                                                                  | Plough Animals    | 168189                     |         | Goat                  | 206123        |               |
|   |                                                                  | Cattle            | 232814                     |         | Pigs                  | 126541        |               |
|   |                                                                  | Cross bred        | 28994                      |         | Crossbred             | 1003          |               |
|   |                                                                  | Indigenous        | 208806                     |         | Hens                  | 47592         |               |
|   |                                                                  | Buffaloes         | 401625                     |         | Desi                  | 38823         |               |
|   |                                                                  | Sheep             | 12486                      |         | Improved              | 218429        |               |
|   |                                                                  | Cross bred        | 3694                       |         | Ducks                 | 2062          |               |
|   |                                                                  | Indigenous        | 7918                       |         | Turkey and others     | 302320        |               |

Note: Please give recent data only

## 2.b. Details of operational area / villages (2024)

| Sl. No. | Name of Taluk | Name of the block | Name of the villages | Major crops & enterprises                                 | Major problems identified (crop-wise)                                                          | Identified Thrust Areas                                  |
|---------|---------------|-------------------|----------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 1.      | Sadar         | Manjhi            | Nandpur              | Paddy, wheat, potato, mustard, Red gram, Animal Husbandry | Lack of information on high yielding varieties, Lack knowledge of Product Production Procedure | Productivity enhancement of cereals, pulses and oilseeds |
| 2.      | Sonepur       | Dariyapur         | Darihara             | Paddy, wheat, maize, potato, mustard, Lentil, Gram        | High dependence on chemical fertilizer and insecticides and pesticides                         | IPM and INM in cereals, pulses and oilseeds              |
| 3.      | Sadar         | Manjhi            | Sitalpur             | Paddy, wheat maize, potato,                               | High cost of cultivation and low return, lack                                                  | Resource Conservation Technology                         |

|     |         |              |            |                                                              |                                                                                                                                                                                           |                                                                                                                               |
|-----|---------|--------------|------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|     |         |              |            | mustard, Red gram                                            | of knowledge for safe and easy method of insect pest management                                                                                                                           | for sowing of different crops, IPM in cereals, pulses and oilseeds                                                            |
| 4.  | Sadar   | Nagra        | Affaure    | Paddy, wheat maize, potato, Red gram, Vegetables             | Lack of information on soil testing, Lack of knowledge and non-availability of bio-fertilizers and bio-pesticides, lack of suitable technology for drought condition                      | Natural Resource management and INM and Climate Resilient Technology                                                          |
| 5.  | Sadar   | Manjhi       | Hansrajpur | Paddy, wheat maize, potato                                   | Lack of information on soil testing, Lack of knowledge and non-availability of bio-fertilizers and bio-pesticides, Wastage of cow dung manures, Pressure on women due to labor deployment | Natural Resource management and INM, Organic Farming, Drudgery reduction in women                                             |
| 6.  | Sadar   | Jalalpur     | Majhawalia | Paddy, wheat maize, potato                                   | Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops                                                                     | Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds                                 |
| 7.  | Sadar   | Jalalpur     | Ramnagar   | Paddy, wheat maize, potato                                   | Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops                                                                     | Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds                                 |
| 8.  | Sadar   | Manjhi       | Majhanpura | Paddy, wheat maize, potato                                   | Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops                                                                     | Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds                                 |
| 9.  | Sadar   | Manjhi       | Dumri      | Paddy, wheat maize, potato                                   | Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops                                                                     | Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds                                 |
| 10. | Sadar   | Manjhi       | Dharhara   | Paddy, wheat maize, potato                                   | Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops                                                                     | Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds                                 |
| 11. | Sadar   | Revilganj    | SitabDiara | Paddy, wheat maize, potato, mustard, Red gram                | High cost of cultivation and low return, lack of knowledge for safe and easy method of insect pest management                                                                             | Resource Conservation Technology for sowing of different crops                                                                |
| 12. | Sadar   | Ekma         | Atarsan    | Paddy, wheat, maize, potato, Red gram, Rape seed and Mustard | Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops                                                                     | Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds.                                |
| 13. | Sadar   | Chapra Sadar | NewajiTola | Paddy, wheat, maize, potato, mustard, Lentil, Gram           | High dependence on chemical fertilizer and insecticides and pesticides                                                                                                                    | IPM and INM in cereals, pulses and oilseeds                                                                                   |
| 14. | Sonepur | Dighwar a    | Gopalpur   | Paddy, wheat maize, potato, mustard, Red gram                | High cost of cultivation and low return, lack of knowledge for safe and easy method of insect pest management                                                                             | Resource Conservation Technology for sowing of different crops, Productivity enhancement of cereals, pulses and oilseeds, IWM |

|     |         |              |                          |                                                          |                                                                        |                                             |
|-----|---------|--------------|--------------------------|----------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------|
|     |         |              |                          |                                                          |                                                                        | in cereals, pulses and oilseeds.            |
| 15. | Sadar   | Chapra Sadar | Dumri/<br>Newaji Tola    | Paddy, wheat, maize,<br>potato, mustard, Lentil,<br>Gram | High dependence on chemical fertilizer and insecticides and pesticides | IPM and INM in cereals, pulses and oilseeds |
| 16. | Sonepur | Sonpur       | Sahpur Diara,<br>Pahleja | Vegetables                                               | High cost of cultivation, high fertilizer application                  | IPM and INM in vegetables                   |

## 2. c. Details of village adoption programme during 2024:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2024) for its development and action plan

| Name of village | Block     | Action taken for development                                                                                                                                                              |
|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nandpur         | Manjhi    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Darhara         | Manjhi    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Sitalpur        | Manjhi    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Dumri           | Manjhi    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Bareja          | Manjhi    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Majhanpura      | Manjhi    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| SitabDiara      | Revilganj | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Majhawalua      | Jalalpur  | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Ramnagar        | Jalalpur  | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Kopa-samhota    | Jalalpur  | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Affaure         | Nagra     | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Atarsan         | Ekma      | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Karah           | Baniyapur | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on                                                                                              |

|            |              |                                                                                                                                                                                           |
|------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |              | Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits                                                                                              |
| Fulwaria   | Garkha       | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| NewajiTola | Chapra Sadar | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Darihara   | Dariyapur    | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |
| Gopalpur   | Sonpur       | FLD, OFT, CFLD, Seed Production under Seed Hub, Training, Field Days, Awareness Programme on Digitalization, Vigilance, Swachhata Abhiyan, PPV and FR, SMS, Soil Tests, Diagnostic Visits |

### 3. TECHNICAL ACHIEVEMENTS

#### 3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2024

| OFT                         |             |                   |             |   |    |   |        |   |       |   |   | FLD                               |             |                   |             |   |    |   |        |   |       |    |    |
|-----------------------------|-------------|-------------------|-------------|---|----|---|--------|---|-------|---|---|-----------------------------------|-------------|-------------------|-------------|---|----|---|--------|---|-------|----|----|
| No. of technologies tested: |             |                   |             |   |    |   |        |   |       |   |   | No. of technologies demonstrated: |             |                   |             |   |    |   |        |   |       |    |    |
| Number of OFTs              |             | Number of farmers |             |   |    |   |        |   |       |   |   | Number of FLDs                    |             | Number of farmers |             |   |    |   |        |   |       |    |    |
| Target                      | Achievement | Target            | Achievement |   |    |   |        |   |       |   |   | Target                            | Achievement | Target            | Achievement |   |    |   |        |   |       |    |    |
|                             |             |                   | SC          |   | ST |   | Others |   | Total |   |   |                                   |             |                   | SC          |   | ST |   | Others |   | Total |    |    |
|                             |             |                   | M           | F | M  | F | M      | F | M     | F | T |                                   |             |                   | M           | F | M  | F | M      | F | M     | F  | T  |
| 10                          | 1           | 70                | 2           | 0 | 0  | 0 | 4      | 0 | 7     | 0 | 7 | 10                                | 3           | 100               | 10          | 5 | 0  | 0 | 30     | 5 | 40    | 10 | 50 |

| Training          |             |                        |             |    |    |   |        |     |       |     |      | Extension activities |             |                        |             |     |    |   |        |      |       |      |       |
|-------------------|-------------|------------------------|-------------|----|----|---|--------|-----|-------|-----|------|----------------------|-------------|------------------------|-------------|-----|----|---|--------|------|-------|------|-------|
| Number of Courses |             | Number of Participants |             |    |    |   |        |     |       |     |      | Number of activities |             | Number of participants |             |     |    |   |        |      |       |      |       |
| Target            | Achievement | Target                 | Achievement |    |    |   |        |     |       |     |      | Target               | Achievement | Target                 | Achievement |     |    |   |        |      |       |      |       |
|                   |             |                        | SC          |    | ST |   | Others |     | Total |     |      |                      |             |                        | SC          |     | ST |   | Others |      | Total |      |       |
|                   |             |                        | M           | F  | M  | F | M      | F   | M     | F   | T    |                      |             |                        | M           | F   | M  | F | M      | F    | M     | F    | T     |
| 124               | 88          | 2200                   | 315         | 82 | 7  | 1 | 1501   | 255 | 1823  | 338 | 2161 | 1500                 | 825         | 12894                  | 715         | 125 | 12 | 9 | 12852  | 3896 | 13579 | 4030 | 17609 |

| Impact of capacity building    |  |                                                                                           |  |  |  | Impact of Extension activities  |  |                                                                                               |  |  |  |
|--------------------------------|--|-------------------------------------------------------------------------------------------|--|--|--|---------------------------------|--|-----------------------------------------------------------------------------------------------|--|--|--|
| Number of Participants trained |  | Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower) |  |  |  | Number of Participants attended |  | Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower) |  |  |  |

| Target | Achievement | SC |   | ST |   | Others |   | Total |   |    | Target | Achievement | SC |   | ST |   | Others |   | Total |   |   |
|--------|-------------|----|---|----|---|--------|---|-------|---|----|--------|-------------|----|---|----|---|--------|---|-------|---|---|
|        |             | M  | F | M  | F | M      | F | M     | F | T  |        |             | M  | F | M  | F | M      | F | M     | F | T |
| 3100   | 2200        | 2  | 1 | 0  | 0 | 15     | 3 | 17    | 4 | 21 | 25000  | 21500       | -  | - | -  | - | -      | - | -     | - | - |

| Seed production (q)       |                 | Sold (q)   | Planting material (in Lakh)     |             |               |
|---------------------------|-----------------|------------|---------------------------------|-------------|---------------|
| Target (Crop and variety) | Achievement (q) |            | Target (crop and variety)       | Achievement | Sold (number) |
| Wheat (DBW 187)           | 112.0           | DSF, Dholi | Cauliflower (Improved variety)  | 0.015       | 0.015         |
| Wheat (HD 2967)           | 5.0             |            | Cabbage (Improved variety)      | 0.015       | 0.015         |
| Moong (virat)             | 3.44            |            | Brocoli (Improved variety)      | 0.015       | 0.015         |
| Paddy (Rajshree)          | 102.40          |            | Tomato (Improved variety)       | 0.04        | 0.04          |
| Ragi (Rajendra madua 1)   | 3.20            |            | Brinjal (Improved variety)      | 0.03        | 0.03          |
|                           |                 |            | Chilli (Improved variety)       | 0.035       | 0.035         |
|                           |                 |            | Bitter gourd (Improved variety) | 0.01        | 0.01          |
|                           |                 |            | Bottle gourd (Improved variety) | 0.01        | 0.01          |
|                           |                 |            | Sponge gourd (Improved variety) | 0.015       | 0.015         |
|                           |                 |            | Cucumber (Improved variety)     | 0.01        | 0.01          |
|                           |                 |            | Bottle gourd (Improved variety) | 0.01        | 0.01          |
|                           |                 |            | Moringa (PKM 1)                 | 0.014       | 0.014         |
|                           |                 |            | Lime(Improved variety)          | 0.0005      | 0.0005        |
|                           |                 |            | Papaya (Red lady)               | 0.031       | 0.031         |
|                           |                 |            | Medicinal and Aromatic          | 0.0135      | 0.0135        |
|                           |                 |            | Forest species-Jamun            | 0.0005      | 0.0005        |
|                           |                 |            |                                 |             |               |

| Livestock strains (in no's) and fish fingerlings produced (in lakh)* |             | Soil, water, plant, manures samples tested (in lakh) |             |
|----------------------------------------------------------------------|-------------|------------------------------------------------------|-------------|
| Target                                                               | Achievement | Target                                               | Achievement |
| 0                                                                    | 0           | 0.15                                                 | 0.15        |

\* Give no. only in case of fish fingerlings

### 3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

#### 3.2. 1 Technology Assessed by KVK (Discipline wise)

| A  | Technologies assessed under various crops (Cereal Crop Production) |                                                       |               |                  |
|----|--------------------------------------------------------------------|-------------------------------------------------------|---------------|------------------|
|    | Thematic areas                                                     | Number of the technologies (Technology Interventions) | No. of trials | No. of Locations |
| 1  | Integrated Nutrient Management                                     | 2                                                     | 12            | 6                |
| 2  | Varietal Evaluation                                                | -                                                     | --            | -                |
| 3  | Integrated Pest Management                                         | 1                                                     | 7             | 7                |
| 4  | Integrated Crop Management                                         | 1                                                     | 7             | 7                |
| 5  | Integrated Disease Management                                      | 1                                                     | 7             | 7                |
| 6  | Small Scale Income Generation Enterprises                          | 0                                                     | 0             | 0                |
| 7  | Weed Management                                                    | 2                                                     | 0             | 0                |
| 8  | Resource Conservation Technology                                   | 1                                                     | 5             | 5                |
| 9  | Farm Machineries                                                   | 0                                                     | 0             | 0                |
| 10 | Integrated Farming System                                          | 1                                                     | 2             | 2                |
| 11 | Seed / Plant production                                            | 0                                                     | 0             | 0                |
| 12 | Post-Harvest Technology / Value addition                           | 1                                                     | 7             | 7                |
| 13 | Drudgery Reduction                                                 | 0                                                     | 0             | 0                |
| 14 | Storage Technique                                                  | 0                                                     | 0             | 0                |
| 15 | Others (Pl. specify)                                               | 0                                                     | 0             | 0                |
| 16 | Cropping Systems                                                   | 1                                                     | 2             | 2                |
| 17 | Farm Mechanization                                                 | 0                                                     | 0             | 0                |
| 18 | Others                                                             | 0                                                     | 0             | 0                |
|    | <b>Total</b>                                                       | <b>9</b>                                              | <b>37</b>     | <b>37</b>        |
| B  | Technologies assessed under various crops (Hort crops.)            |                                                       |               |                  |
|    | Thematic areas                                                     | Number of the technologies (Technology Interventions) | No. of trials | No. of Locations |
| 1  | Integrated Nutrient Management                                     | 0                                                     | 0             | 0                |
| 2  | Varietal Evaluation                                                | 0                                                     | 0             | 0                |
| 3  | Integrated Pest Management                                         | 0                                                     | 0             | 0                |

|          |                                                                      |                                                           |                      |                         |
|----------|----------------------------------------------------------------------|-----------------------------------------------------------|----------------------|-------------------------|
| 4        | Integrated Crop Management                                           | 1                                                         | 5                    | 2                       |
| 5        | Integrated Disease Management                                        | 0                                                         | 0                    | 0                       |
| 6        | Small Scale Income Generation Enterprises                            | 1                                                         | 2                    | 2                       |
| 7        | Weed Management                                                      | 0                                                         | 0                    | 0                       |
| 8        | Resource Conservation Technology                                     | 1                                                         | 5                    | 5                       |
| 9        | Post-harvest Technology / Value addition                             | 0                                                         | 0                    | 0                       |
| 10       | Others if any specify                                                | 0                                                         | 0                    | 0                       |
| <b>C</b> | <b>Technologies assessed under livestock &amp; Fisheries by KVKs</b> |                                                           |                      |                         |
|          | <b>Thematic areas</b>                                                | <b>No. of technologies<br/>(Technology Interventions)</b> | <b>No. of trials</b> | <b>No. of locations</b> |
| 1        | Disease & Health Management                                          | 0                                                         | 0                    | 0                       |
| 2        | Breeding management/Evaluation of Breeds                             | 0                                                         | 0                    | 0                       |
| 3        | Feed and Fodder management                                           | 0                                                         | 0                    | 0                       |
| 4        | Nutrition Management                                                 | 0                                                         | 0                    | 0                       |
| 5        | Production and Management                                            | 0                                                         | 0                    | 0                       |
| 6        | Processing and Value addition                                        | 0                                                         | 0                    | 0                       |
| 7        | Fisheries management                                                 | 0                                                         | 0                    | 0                       |
| 8        | Others (waste, ITK etc)                                              | 0                                                         | 0                    | 0                       |
|          | <b>Total</b>                                                         | 0                                                         | 0                    | 0                       |
| <b>D</b> | <b>Technologies assessed under miscellaneous enterprises by KVKs</b> |                                                           |                      |                         |
|          | <b>Thematic areas</b>                                                | <b>No. of technologies<br/>(Technology Interventions)</b> | <b>No. of trials</b> | <b>No. of locations</b> |
| 1        | Drudgery reduction                                                   | 0                                                         | 0                    | 0                       |
| 2        | Entrepreneurship Development                                         | 0                                                         | 0                    | 0                       |
| 3        | Health and nutrition                                                 | 0                                                         | 0                    | 0                       |
| 4        | Processing and value addition                                        | 0                                                         | 0                    | 0                       |
| 5        | Energy conservation                                                  | 0                                                         | 0                    | 0                       |
| 6        | Small-scale income generation                                        | 0                                                         | 0                    | 0                       |
| 7        | Storage techniques                                                   | 0                                                         | 0                    | 0                       |
| 8        | Household food security                                              | 0                                                         | 0                    | 0                       |
| 9        | Organic farming                                                      | 0                                                         | 0                    | 0                       |

|          |                                                                              |                                                           |                      |                         |
|----------|------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------|-------------------------|
| 10       | Agroforestry management                                                      | 0                                                         | 0                    | 0                       |
| 11       | Mechanization                                                                | 0                                                         | 0                    | 0                       |
| 12       | Resource conservation technology                                             | 0                                                         | 0                    | 0                       |
| 13       | Value Addition                                                               | 0                                                         | 0                    | 0                       |
| 14       | Others                                                                       | 0                                                         | 0                    | 0                       |
|          | <b>Total</b>                                                                 | <b>0</b>                                                  | <b>0</b>             | <b>0</b>                |
| <b>E</b> | <b>Technologies assessed under various enterprises for women empowerment</b> |                                                           |                      |                         |
|          | <b>Thematic areas</b>                                                        | <b>No. of technologies<br/>(Technology Interventions)</b> | <b>No. of trials</b> | <b>No. of locations</b> |
| 1        | Drudgery Reduction                                                           |                                                           |                      |                         |
| 2        | Entrepreneurship Development                                                 | 0                                                         | 0                    | 0                       |
| 3        | Health and Nutrition                                                         | 0                                                         | 0                    | 0                       |
| 4        | Value Addition                                                               | 0                                                         | 0                    | 0                       |
| 5        | Others                                                                       | 0                                                         | 0                    | 0                       |
|          | <b>Total</b>                                                                 | <b>0</b>                                                  | <b>0</b>             | <b>0</b>                |

### 3.2.2 OFT (All discipline)

- **Thematic area:** Residue management
- **Problem definition/Name of OFT:** Ex-situ residue management in potato cultivation

|    |                                                                                                    |                                                                                                                                                                                                                                                                                                                                                          |
|----|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Title of On farm Trial                                                                             | Ex-situ residue management in potato cultivation                                                                                                                                                                                                                                                                                                         |
| 2. | Problem diagnosed                                                                                  | Moisture loss is one of an important constraint in obtaining high potato yield.                                                                                                                                                                                                                                                                          |
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | Farmers Practice: Sowing in ridge and furrow method<br><br>Technology 1: Sowing of Potato with FYM and Paddy straw (15cm)<br>Technology 2: Sowing of Potato with FYM and Water hyacinth (15cm)<br><br>(In TO1 and TO2 foliar spray with 10:26:26 N:P:K as basal dose, 45 days after sowing spray with 19:19:19 N:P:K and third spray with 13:0:45 N:P:K) |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify)                                       | IIVR, Varanasi                                                                                                                                                                                                                                                                                                                                           |
| 5. | Production system and thematic area                                                                | Agri- Horti System                                                                                                                                                                                                                                                                                                                                       |
| 6. | Performance of the Technology with performance indicators                                          | 1-Germination (%)                                                                                                                                                                                                                                                                                                                                        |

|    |                                                     |                                                                                                                                |
|----|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|    |                                                     | 2- Growth performance (visual)<br>3- Disease incidence<br>4- Weed population<br>5- Tuber yield<br>6-Economics<br>7- B: C ratio |
| 7. | Final recommendation for micro level situation      | NA                                                                                                                             |
| 8. | Constraints identified and feedback for research    | NA                                                                                                                             |
| 9. | Process of farmers participation and their reaction | Diagnostic field visit, one-to one interaction with farmers, supply of reading materials                                       |

**B. Results with Table and good quality photographs in jpg.**

| Thematic area      | Technology options with detailed treatments                                                                                                   | Area (ha in crop & Fodder)/ Nos (in livestock) |        | Yield (q/ha) | Cost of cultivation (Rs./ha) | Gross return (Rs/ha) | Net return (Rs./ha) | BC ratio |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------|--------------|------------------------------|----------------------|---------------------|----------|
|                    |                                                                                                                                               | Proposed                                       | Actual |              |                              |                      |                     |          |
| Residue management | Farmers Practice (FP):<br>Sowing in ridge and furrow method<br><br>Technology 2 (TO1):<br>Sowing of Potato with FYM and Water hyacinth (15cm) | 01 acre                                        | 1.5 ha | 206.5        | 115875                       | 206500               | 90625               | 1.78     |
|                    | Technology 1 (TO2):<br>Sowing of Potato with FYM and Paddy straw (15cm)                                                                       |                                                |        | 238.6        | 104525                       | 238600               | 134075              | 2.28     |
|                    | Technology 2: Sowing of Potato with FYM and Water hyacinth (15cm)                                                                             |                                                |        | 245.8        | 97896                        | 245800               | 147904              | 2.51     |

|                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| Sowing in ridge and furrow method                                                 | Sowing of Potato with FYM and Water hyacinth                                       | Sowing of Potato with FYM and Paddy straw (15cm)                                    |

### 3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

#### A. Overall achievements of FLDs conducted during the year 2024

| S.No     | Crop category             | No. of FLD | Area       | No of beneficiaries | Yield in Demo (q/ha) | Yield in check (q/ha) |
|----------|---------------------------|------------|------------|---------------------|----------------------|-----------------------|
| <b>1</b> | <b>Cereals</b>            | <b>01</b>  | <b>2.0</b> | <b>10</b>           |                      |                       |
|          | Maize                     | 01         | 2.0        | 10                  | 62.0                 | 55.0                  |
| 2        | Oil Seed                  | 0          | 0          | 0                   | 0                    | 0                     |
| 3        | Pulses                    | 0          | 0          | 0                   | 0                    | 0                     |
| <b>4</b> | <b>Horticulture Crops</b> | <b>06</b>  | <b>1.2</b> | <b>60</b>           | -                    | -                     |
|          | Papaya                    | 01         | 0.4        | 10                  | 50.9/plant           | 35.1kg/plant          |
|          | Moringa                   | 01         | 0.4        | 10                  | -                    | -                     |
|          | Elephant foot yam         | 01         | 0.3        | 10                  | 45.1                 | 39.7                  |
|          | Turmeric                  | 01         | 0.1        | 10                  | 380                  | 310                   |
|          | Button mushroom           | 01         | NA         | 10                  | -                    | -                     |
|          | Oyster mushroom           | 01         | NA         | 10                  | -                    | -                     |
| <b>5</b> | <b>Other crops</b>        | <b>01</b>  | <b>NA</b>  | <b>10</b>           | <b>NA</b>            | <b>NA</b>             |
| 6        | Hybrid crop               | 0          | 0          | 0                   | 0                    | 0                     |
| <b>7</b> | <b>Livestock</b>          | <b>02</b>  | <b>NA</b>  | <b>20</b>           | <b>NA</b>            | <b>NA</b>             |
|          | Azolla                    | 01         | NA         | 10                  | NA                   | NA                    |
|          | Feed Supplement           | 01         | NA         | 10                  | NA                   | NA                    |
| 8        | Fisheries                 | 0          | 0          | 0                   | 0                    | 0                     |
| 9        | Other enterprises         | 0          | 0          | 0                   | 0                    | 0                     |

|    |                    |           |            |            |   |   |
|----|--------------------|-----------|------------|------------|---|---|
| 10 | Women empowerment  | 0         | 0          | 0          | 0 | 0 |
| 11 | Farm Machinery     | 0         | 0          | 0          | 0 | 0 |
|    | <b>Grand Total</b> | <b>10</b> | <b>3.2</b> | <b>100</b> | - | - |

## B. Details of FLDs conducted during the year 2024

### 1. Cereals

| 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 |
| Maize        | Productivity enhancement | Productivity enhancement through QPM | 10             | 2         | 61.5         | 52.8  | 16.47      | 65785                                | 116850       | 51065      | 1.78   | 71452                        | 100320       | 28868      | 1.40   |
| <b>Total</b> |                          |                                      | <b>10</b>      | <b>2</b>  | 61.5         | 52.8  | 16.47      | 65785                                | 116850       | 51065      | 1.78   | 71452                        | 100320       | 28868      | 1.40   |

### 2. Oilseeds:

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

\* 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

### 3. Pulses

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

\* 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

## 2. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

| 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 |
| Papaya            | Cultivation of Fruit                          | Introduction of high yielding variety (Red Leady)              | 10             | 0.3       | 900           | 785   | 14.65      | 452154                               | 1800000      | 1347846    | 3.98   | 499852                       | 1570000      | 1070148    | 3.14   |
| Morinha           | Cultivation of Fruit                          | Throught year production of moringa                            | 10             | 0.3       | Crop standing |       |            |                                      |              |            |        |                              |              |            |        |
| Elephant foot Yam | Production of low volume and high value crops | Introduction of high yielding variety (Gagendra)               | 10             | 0.15      | 435           | 401   | 8.48       | 218564                               | 652500       | 433936     | 2.99   | 245986                       | 601500       | 355514     | 2.45   |
| Turmeric          | Production of low volume and high value crops | Introduction of high Curcumin content variety (Rajendra Sonia) | 10             | 0.3       | 380           | 325   | 16.92      | 301524                               | 760000       | 458476     | 2.52   | 315879                       | 650000       | 334121     | 2.06   |
| 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

## 5. 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 |

[illegible]

|                               |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|
| Okra                          | - | - | - | - | - | - | - | - | - | - | - |
| Onion                         | - | - | - | - | - | - | - | - | - | - | - |
| Potato                        | - | - | - | - | - | - | - | - | - | - | - |
| Field bean                    | - | - | - | - | - | - | - | - | - | - | - |
| Others (Pl. specify)          | - | - | - | - | - | - | - | - | - | - | - |
| <b>Total Veg. Crops</b>       | - | - | - | - | - | - | - | - | - | - | - |
| <b>Commercial Crops</b>       | - | - | - | - | - | - | - | - | - | - | - |
| Cotton                        | - | - | - | - | - | - | - | - | - | - | - |
| Coconut                       | - | - | - | - | - | - | - | - | - | - | - |
| Others (Pl. specify)          | - | - | - | - | - | - | - | - | - | - | - |
| <b>Total Commercial Crops</b> | - | - | - | - | - | - | - | - | - | - | - |
| <b>Fodder crops</b>           | - | - | - | - | - | - | - | - | - | - | - |
| Napier (Fodder)               | - | - | - | - | - | - | - | - | - | - | - |
| Maize (Fodder)                | - | - | - | - | - | - | - | - | - | - | - |
| Sorghum (Fodder)              | - | - | - | - | - | - | - | - | - | - | - |
| Others (Pl. specify)          | - | - | - | - | - | - | - | - | - | - | - |
| <b>Total Fodder Crops</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

## 7. Livestock

### 7 Livestock

| Category | Thematic area           | Name of the technology demonstrated                                             | No. of Farmer | No. of units | Major parameters |       | % change in major parameter | Other parameter      |              | *Economics of demonstration (Rs.) |              |            |        | *Economics of check (Rs.) |              |            |        |
|----------|-------------------------|---------------------------------------------------------------------------------|---------------|--------------|------------------|-------|-----------------------------|----------------------|--------------|-----------------------------------|--------------|------------|--------|---------------------------|--------------|------------|--------|
|          |                         |                                                                                 |               |              | Demonstration    | Check |                             | Demonstration        | Check        | Gross Cost                        | Gross Return | Net Return | ** BCR | Gross Cost                | Gross Return | Net Return | ** BCR |
| Dairy    | Feed management         | Promotion of Azolla as a unconventional source of feed amongst the dairy animal | 20            | 20           | 7.0 lt.          | 6.4lt | 22.03                       | -                    | -            | 24000                             | 75600        | 51600      | 3.15   | 21900                     | 64200        | 42300      | 2.93   |
|          | Green fodder management | Promotion of Hybrid Napier                                                      | 03            | 03           | 110              | 40    | 175                         | No. of cuttings : 8; | No. of cutti | 3800                              | 12600        | 8800       | 3.32   | 1200                      | 4120         | 2920       | 2.43   |

[illegible]



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

### 10. Women empowerment

| Name of technology      | No. of demonstrations | Name of technology | Observations |               | No. of Beneficiaries |
|-------------------------|-----------------------|--------------------|--------------|---------------|----------------------|
|                         |                       |                    | Check        | Demonstration |                      |
| <b>Women</b>            | -                     | -                  | -            | -             | -                    |
| Drudgery Reduction      | -                     | -                  | -            | -             | -                    |
| Enterprises             | -                     | -                  | -            | -             | -                    |
| Farming System          | -                     | -                  | -            | -             | -                    |
| Health and nutrition    | -                     | -                  | -            | -             | -                    |
| Kitchen Garden          | -                     | -                  | -            | -             | -                    |
| Nutrigarden             | -                     | -                  | -            | -             | -                    |
| Storage Technique       | -                     | -                  | -            | -             | -                    |
| Value addition          | -                     | -                  | -            | -             | -                    |
| Women Empowerment       | -                     | -                  | -            | -             | -                    |
| Others                  | -                     | -                  | -            | -             | -                    |
| <b>Total - Women</b>    | -                     | -                  | -            | -             | -                    |
| <b>Children</b>         | -                     | -                  | -            | -             | -                    |
| Health and nutrition    | -                     | -                  | -            | -             | -                    |
| Others                  | -                     | -                  | -            | -             | -                    |
| <b>Total - Children</b> | -                     | -                  | -            | -             | -                    |
| Other if any            | -                     | -                  | -            | -             | -                    |
| <b>Total others</b>     |                       |                    |              |               |                      |
| <b>Grand Total</b>      | 0                     | 0                  |              |               |                      |

### 11. Farm implements and machinery

| Category | No. of FLDs | Name of the implement | Crop | 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 |   |   |   |
|-----------------------------------------------|---|---|---|---|---|---------------|-------|---|---|---|
| Sowing and planting tools and machineries     | - | - | - | - | - | -             | -     | - | - | - |
| Total Sowing and planting Machineries         | - | - | - | - | - | -             | -     | - | - | - |
| Intercultural operation tools and machineries | - | - | - | - | - | -             | -     | - | - | - |
| Irrigation management tools and machineries   | - | - | - | - | - | -             | -     | - | - | - |
| Plant protection tools and machineries        | - | - | - | - | - | -             | -     | - | - | - |
| Harvesting tools and machineries              | - | - | - | - | - | -             | -     | - | - | - |
| Postharvest processing tools and machineries  | - | - | - | - | - | -             | -     | - | - | - |
| Total mechanization tools and machineries     | - | - | - | - | - | -             | -     | - | - | - |
| Others                                        | - | - | - | - | - | -             | -     | - | - | - |
| Total of Others                               | - | - | - | - | - | -             | -     | - | - | - |

\* 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

#### Extension and Training activities under FLD

| Sl.No | Activity                             | Date                   | No. of activities organized | Number of participants | Remarks |
|-------|--------------------------------------|------------------------|-----------------------------|------------------------|---------|
| 1.    | Field days                           | 15-03-2024, 21-12-2024 | 9                           | 125                    | -       |
| 2.    | Farmers Training                     | -                      | 7                           | 170                    | -       |
| 3.    | Media coverage                       | -                      | 5                           | -                      | -       |
| 4.    | Training for extension functionaries | -                      | -                           | -                      | -       |

#### Technical Feedback on the demonstrated technologies (if any)

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

**PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)**  
**(During Kharif, Rabi and Summer)**

**1. Technical Parameters:**

| Sl. No. | Crop demonstrated  | Existing (Farmer's) variety name | Existing yield (q/ha) 7 years | 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       |
|         |                    |                                  |                               |                          |                 |                     |                                                                        |                   |            |                       |      |      |                         |         |         |
|         | Pulses             |                                  |                               |                          |                 |                     |                                                                        |                   |            |                       |      |      |                         |         |         |
| 1..     | Lentil             | Local                            | 9.3                           | 2.68                     | 5.70            | -3.00               | IPL-316 +HYV + Line Sowing + Seed Treatment with Rhizobium+PSB         | 35                | 14         | 13.8                  | 10.7 | 12.3 | 17.1                    | - 12.21 | - 18.00 |
| 2.      | Greengram          | Local                            | 6.9                           | 2.23                     | 3.51            | -1.95               | Virat +HYV + Line Sowing + Seed Treatment with Rhizobium+PSB           | 50                | 20         | 10.8                  | 7.3  | 9.1  | 30.0                    | 51.67   | - 17.27 |
|         | Oilseeds           |                                  |                               |                          |                 |                     |                                                                        |                   |            |                       |      |      |                         |         |         |
| 3.      | Rapeseed & Mustard | Hybrid                           | 11.3                          | 1.88                     | 3.83            | -0.60               | R.Suflam 1+HYV + Line Sowing + Seed Treatment with Azotobacter +PSB    | 175               | 70         | 23.4                  | 17.3 | 20.3 | 103.0                   | 62.66   | - 20.39 |
| 4.      | Linseed            | Local                            | 8.54                          | 2.42                     | 2.72            | -2.10               | Sabour Tisi-1+HYV + Line Sowing + Seed Treatment with Azotobacter +PSB | 25                | 10         | 12.6                  | 8.9  | 10.7 | 137.8                   | 16.81   | - 19.55 |
| 5.      | Sesame             | Local                            | 4.6                           | 1.10                     | 0.95            | -1.45               | Krishna+HYV + Line Sowing + Seed Treatment with Azotobacter +PSB       | 50                | 20         | 6.9                   | 5.2  | 6.05 | 21.0                    | - 12.32 | - 36.32 |
| 6.      | Sunflower          | Local                            |                               |                          |                 |                     | KBSH-78 + Azotobacter +PSB (20g/kg seed)                               | 25                | 10         | 21.9                  | 15.8 | 18.8 | 108.9                   | 49.21   | - 26.27 |

## 2. Economic parameters

| Sl. No. | Variety demonstrated & Technology demonstrated                                         | Farmer's Existing plot |                      |                    |           | Demonstration plot |                      |                    |           |
|---------|----------------------------------------------------------------------------------------|------------------------|----------------------|--------------------|-----------|--------------------|----------------------|--------------------|-----------|
|         |                                                                                        | Gross Cost (Rs/ha)     | Gross return (Rs/ha) | Net Return (Rs/ha) | B:C ratio | Gross Cost (Rs/ha) | Gross return (Rs/ha) | Net Return (Rs/ha) | B:C ratio |
|         | Pulses                                                                                 |                        |                      |                    |           |                    |                      |                    |           |
| 1.      | Lentil (IPL-316) +HYV + Line Sowing + Seed Treatment with Rhizobium+PSB                | 47536                  | 66550                | 19014              | 1.40      | 45242              | 84150                | 38908              | 1.86      |
| 2..     | Greengram (Virat) +HYV + Line Sowing + Seed Treatment with Rhizobium+PSB               | 35912                  | 53510                | 17597              | 1.49      | 39429              | 70183                | 30754              | 1.78      |
|         | Oilseeds                                                                               |                        |                      |                    |           |                    |                      |                    |           |
| 3.      | Rapeseed & Mustard- (R.Suflam)+HYV + Line Sowing + Seed Treatment with Azotobacter+PSB | 32758                  | 61585                | 28827              | 1.88      | 37041              | 85565                | 48524              | 2.31      |
| 4.      | Linseed (Sabour Tisi-1) +HYV + Line Sowing + Seed Treatment with Azotobacter +PSB      | 32533                  | 68320                | 35787              | 2.10      | 33811              | 89600                | 55789              | 2.65      |
| 5.      | Sesame (Krishna)+HYV + Line Sowing + Seed Treatment with Azotobacter +PSB              | 24336                  | 36018                | 11682              | 1.48      | 26613              | 47372                | 20758              | 1.78      |
| 6.      | KBSH-78 + Azotobacter +PSB (20g/kg seed)                                               | 34286.00               | 63800.00             | 29514.00           | 1.86      | 38346.00           | 89500.00             | 51154.00           | 2.33      |

## 3. 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) |
|---------------|-------------------------------|-----------------------------|-----------------------------|----------------------|----------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Pulses</b> |                               |                             |                             |                      |                                  |                                           |                                                                                        |                                           |
| 3.            | Lentil (IPL-316)              | 17220                       | 15220                       | 60.00                | 2000                             | 0                                         | For agricultural inputs, food and feed, school fees of children and social obligations |                                           |

|                 |                                    |       |       |       |      |   |                                                                                        |   |
|-----------------|------------------------------------|-------|-------|-------|------|---|----------------------------------------------------------------------------------------|---|
|                 |                                    |       |       |       |      |   |                                                                                        |   |
| 4.              | Greengram<br>(Virat)               | 18200 | 16700 | 77.55 | 1500 | 0 | For agricultural inputs, food and feed, school fees of children and social obligations | - |
| <b>Oilseeds</b> |                                    |       |       |       |      |   |                                                                                        |   |
| 5.              | Rapeseed & Mustard<br>(R.Suflam 1) | 10700 | 8200  | 56.50 | 2500 | 0 | For agricultural inputs, food and feed, school fees of children and social obligations | - |
| 6..             | Linseed<br>(Sabour Tisi-1)         | 12100 | 9100  | 80.00 | 3000 | 0 | For agricultural inputs, food and feed, school fees of children and social obligations |   |
| 7.              | Summer Sesame-<br>(Krishna)        | 18800 | 15300 | 78.30 | 3500 | 0 | For agricultural inputs, food and feed, school fees of children and social obligations | - |

**B. Pulses/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 |

|    |                                                                                 |                  |                                                                        |               |    |     |    |
|----|---------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------|---------------|----|-----|----|
| 1. | Variety, Seed treatment, INM, Rhizobium/Azotobacter Treatment, Phosphobacteria, | Very appropriate | Variety-INM (Rhizobium/Azotobacter-Phosphobacteria-Sulphur-Boron-Zinc) | Easily access | No | Yes | NA |
|----|---------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------|---------------|----|-----|----|

### C. Specific Characteristics of Technology and Performance

| Specific Characteristic                                                                   | Performance | Performance of Technology vis-a vis Local Check                                           | Farmers Feedback                                                   |
|-------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Variety, Seed treatment, INM, IPM, Azotobacter Treatment, Phosphate solubilizing bacteria | Good        | Demo unit is good on local check due to improved variety along with Package and practices | Positive response but Blue bull affects crop during growth period. |

### D. Extension activities under FLD conducted:

| Sl. No. | Extension Activities organized                           | Date and place of activity | Number of farmer attended |
|---------|----------------------------------------------------------|----------------------------|---------------------------|
| 1.      | Field day on Rapeseed & Mustard (R.Suflam 1)             | 06.02.2024 (Gurdhah Khurd) | 29                        |
| 2.      | Field day on Lentil (IPL-316)                            | 12.03.2024 (Hrashpura)     | 19                        |
| 3.      | Field day on Linseed (Sabour Tisi-1)                     | 21.03.2024 (Sitabdiara)    | 19                        |
| 4.      | Training on Scientific cultivation of Sesame             | 29.03.2024 (Manjhi)        | 21                        |
| 5.      | Training on Scientific cultivation of Green gram         | 04.04.2024 (Sitabdiara)    | 25                        |
| 6.      | Field day on Greengram (Virat)                           | 15.05.2024 (Sitabdiara)    | 28                        |
| 7.      | Field day on Greengram (Virat)                           | 02.06.2024 (Chenpur)       | 21                        |
| 8.      | Training on Scientific cultivation of Rapeseed & Mustard | 12.11.2024 (KVK, Manjhi)   | 38                        |
| 9.      | Training on Scientific cultivation of Linseed            | 28.11.2024 (KVK, Manjhi)   | 25                        |

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



Critical input distribution of Linseed



Critical input distribution of Green gram



Critical input distribution of Lentil



Critical input distribution of Mustard

## F. Farmers' training photographs



Training on Sunflower cultivation



Training on Rapeseed cultivation

## G. Quality Action Photographs of field visits/field days and technology demonstrated.



Field day on Greengram (Virat)



Field day on Linseed (Sabour Tisi-1)



Field day on Rapeseed &amp; Mustard (R. Suflam 1)



Field day on Lentil (IPL-316)

#### H. H. Details of budget utilization

| Crop<br>(provide crop wise<br>information ) | Items                                 | Area (ha)<br>allotted | Area (ha)<br>achieved | Budget<br>Received<br>(Rs.) | Budget<br>Utilization<br>(Rs.) | Balance<br>(Rs.) |
|---------------------------------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------|--------------------------------|------------------|
| Pulses                                      | i) Critical input                     |                       |                       | 0                           | 65800                          | -128242          |
|                                             | ii) TA/DA/POL etc. for monitoring     |                       |                       | 0                           | 0                              | 0                |
|                                             | iii) Extension Activities (Field day) |                       |                       | 0                           | 0                              | -60000           |
|                                             | iv)Publication of literature          |                       |                       | -                           | -                              | -                |
|                                             | <b>Total</b>                          |                       |                       | <b>0</b>                    | <b>65800</b>                   | <b>-188242</b>   |
| Oilseed                                     | i) Critical input                     |                       |                       | 0                           | 153355                         | 72647            |
|                                             | ii) TA/DA/POL etc. for monitoring     |                       |                       | -                           | 6909                           | 6553             |
|                                             | iii) Extension Activities (Field day) |                       |                       | 0                           | -                              | -                |
|                                             | iv)Publication of literature          |                       |                       | -                           | -                              | -                |
|                                             | <b>Total</b>                          |                       |                       | <b>0</b>                    | <b>125106</b>                  | <b>79200</b>     |

### 3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

#### A. Farmers and farm women including the sponsored training programme (on campus)

| Thematic Area                                         | No. of Courses | No. of Participants |    |    |        |   |    |        |   |   | Grand Total |    |    |
|-------------------------------------------------------|----------------|---------------------|----|----|--------|---|----|--------|---|---|-------------|----|----|
|                                                       |                | Othe<br>r           |    |    | S<br>C |   |    | S<br>T |   |   |             |    |    |
|                                                       |                | M                   | F  | T  | M      | F | T  | M      | F | T | M           | F  | T  |
| <b>I. Crop Production</b>                             |                |                     |    |    |        |   |    |        |   |   |             |    |    |
| Weed Management                                       | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Resource Conservation Technologies                    | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Cropping Systems                                      | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Crop Diversification                                  | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Integrated Farming                                    | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Water management                                      | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Seed production                                       | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Nursery management                                    | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Integrated Crop Management                            | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Fodder production                                     | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Production of organic inputs                          | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Others, (cultivation of crops)                        | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| <b>II. Horticulture</b>                               |                |                     |    |    |        |   |    |        |   |   |             |    |    |
| <b>a) Vegetable Crops</b>                             |                |                     |    |    |        |   |    |        |   |   |             |    |    |
| Integrated nutrient management                        | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Water management                                      | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Enterprise development                                | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Skill development                                     | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Yield increment                                       | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Production of low volume and high value crops         | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Off-season vegetables                                 | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Nursery raising                                       | 2              | 50                  | 12 | 62 | 5      | 2 | 7  | 0      | 0 | 0 | 55          | 14 | 69 |
| Export potential vegetables                           | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Grading and standardization                           | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Protective cultivation (Green Houses, Shade Net etc.) | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| Others, if any (Cultivation of Vegetable)             | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |
| <b>b) Fruits</b>                                      |                |                     |    |    |        |   |    |        |   |   |             |    |    |
| Training and pruning                                  | 3              | 31                  | 15 | 46 | 5      | 3 | 8  | 0      | 0 | 0 | 36          | 18 | 54 |
| Layout and Management of Orchards                     | 2              | 41                  | 10 | 51 | 6      | 2 | 8  | 0      | 0 | 0 | 47          | 12 | 59 |
| Cultivation of Fruit                                  | 1              | 31                  | 5  | 36 | 8      | 5 | 13 | 0      | 0 | 0 | 39          | 10 | 49 |
| Management of young plants/orchards                   | 1              | 15                  | 0  | 15 | 6      | 0 | 6  | 0      | 0 | 0 | 21          | 0  | 21 |
| Rejuvenation of old orchards                          | 0              | 0                   | 0  | 0  | 0      | 0 | 0  | 0      | 0 | 0 | 0           | 0  | 0  |

|                                                  |   |    |    |    |   |   |    |   |   |   |    |    |    |
|--------------------------------------------------|---|----|----|----|---|---|----|---|---|---|----|----|----|
| Export potential fruits                          | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Micro irrigation systems of orchards             | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Plant propagation techniques                     | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any(INM)                              | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>c) Ornamental Plants</b>                      |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Nursery Management                               | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Management of potted plants                      | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Export potential of ornamental plants            | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Propagation techniques of Ornamental Plants      | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>d) Plantation crops</b>                       |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Production and Management technology             | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Processing and value addition                    | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>e) Tuber crops</b>                            |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Production and Management technology             | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Processing and value addition                    | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>f) Spices</b>                                 |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Production and Management technology             | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Processing and value addition                    | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>g) Medicinal and Aromatic Plants</b>          |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Nursery management                               | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Production and management technology             | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Post-harvest technology and value addition       | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>III. Soil Health and Fertility Management</b> |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Soil fertility management                        | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Soil and Water Conservation                      | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Integrated Nutrient Management                   | 2 | 25 | 0  | 25 | 6 | 0 | 6  | 0 | 0 | 0 | 31 | 0  | 31 |
| Production and use of organic inputs             | 1 | 19 | 12 | 31 | 6 | 3 | 9  | 0 | 0 | 0 | 25 | 15 | 40 |
| Management of Problematic soils                  | 2 | 18 | 0  | 18 | 2 | 0 | 2  | 0 | 0 | 0 | 20 | 0  | 20 |
| Micro nutrient deficiency in crops               | 1 | 31 | 0  | 31 | 2 | 0 | 3  | 2 | 0 | 2 | 35 | 0  | 35 |
| Nutrient Use Efficiency                          | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Soil and Water Testing                           | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>IV. Livestock Production and Management</b>   |   |    |    |    |   |   |    |   |   |   |    |    |    |
| Dairy Management                                 | 3 | 25 | 12 | 37 | 6 | 4 | 10 | 0 | 0 | 0 | 31 | 16 | 47 |
| Poultry Management                               | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Piggery Management                               | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Rabbit Management                                | 0 | 0  | 0  | 0  | 0 | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Disease Management                               | 2 | 26 | 4  | 30 | 6 | 0 | 6  | 0 | 0 | 0 | 32 | 4  | 36 |
| Feed management                                  | 1 | 16 | 2  | 18 | 3 | 0 | 3  | 0 | 0 | 0 | 19 | 2  | 21 |

|                                                                                             |   |    |   |    |    |   |    |   |   |   |    |    |    |
|---------------------------------------------------------------------------------------------|---|----|---|----|----|---|----|---|---|---|----|----|----|
| Production of quality animal products                                                       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any Goat farming                                                                 | 1 | 21 | 2 | 23 | 6  | 0 | 6  | 0 | 0 | 0 | 27 | 2  | 29 |
| <b>V. Home Science/Women empowerment</b>                                                    |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Household food security by kitchen gardening and nutrition gardening                        | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Design and development of low/minimum cost diet                                             | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Designing and development for high nutrient efficiency diet                                 | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Minimization of nutrient loss in processing                                                 | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Gender mainstreaming through SHGs                                                           | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Storage loss minimization techniques                                                        | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Enterprise development                                                                      | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Value addition                                                                              | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Income generation activities for empowerment of rural Women                                 | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Location specific drudgery reduction technologies                                           | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Rural Crafts                                                                                | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Capacity building                                                                           | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Women and child care                                                                        | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                                                              | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>VI. Agril. Engineering</b>                                                               |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Installation and maintenance of micro irrigation systems                                    | 1 | 18 | 0 | 18 | 9  | 0 | 9  | 0 | 0 | 0 | 27 | 0  | 27 |
| Use of Plastics in farming practices                                                        | 1 | 16 | 5 | 21 | 9  | 5 | 14 | 0 | 0 | 0 | 25 | 10 | 35 |
| Production of small tools and implements                                                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Repair and maintenance of farm machinery and implements                                     | 2 | 29 | 8 | 37 | 11 | 2 | 13 | 0 | 0 | 0 | 40 | 10 | 50 |
| Small scale processing and value addition                                                   | 1 | 12 | 2 | 14 | 8  | 6 | 14 | 0 | 0 | 0 | 20 | 8  | 28 |
| Post-Harvest Technology                                                                     | 2 | 35 | 0 | 35 | 6  | 0 | 6  | 0 | 0 | 0 | 41 | 0  | 41 |
| Others, if any                                                                              | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>VII. Plant Protection</b>                                                                |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Integrated Pest Management                                                                  | 4 | 62 | 6 | 68 | 9  | 1 | 10 | 0 | 0 | 0 | 71 | 7  | 78 |
| Integrated Disease Management                                                               | 4 | 52 | 2 | 54 | 6  | 3 | 9  | 0 | 0 | 0 | 58 | 5  | 63 |
| Bio-control of pests and diseases                                                           | 1 | 19 | 6 | 25 | 8  | 0 | 8  | 0 | 0 | 0 | 27 | 6  | 33 |
| Production of bio control agents and bio pesticides                                         | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                                                              | 0 | 0  | 0 | 0  | 0  |   | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>VIII. Fisheries</b>                                                                      |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Integrated fish farming                                                                     | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Carp breeding and hatchery management                                                       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Carp fry and fingerling rearing                                                             | 0 | 0  | 0 | 0  | 0  |   | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Composite fish culture & fish disease                                                       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | 0 | 0  | 0 | 0  | 0  |   | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Hatchery management and culture of freshwater prawn                                         | 0 | 0  | 0 | 0  | 0  |   | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Breeding and culture of ornamental fishes                                                   | 0 | 0  | 0 | 0  | 0  |   | 0  | 0 | 0 | 0 | 0  | 0  | 0  |

|                                                |           |            |            |            |            |           |            |          |          |          |            |            |            |
|------------------------------------------------|-----------|------------|------------|------------|------------|-----------|------------|----------|----------|----------|------------|------------|------------|
| Portable plastic carp hatchery                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Pen culture of fish and prawn                  | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Shrimp farming                                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Edible oyster farming                          | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Pearl culture                                  | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Fish processing and value addition             | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Others, if any                                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| <b>IX. Production of Inputs at site</b>        |           |            |            |            |            |           |            |          |          |          |            |            |            |
| Seed Production                                | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Planting material production                   | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Bio-agents production                          | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Bio-pesticides production                      | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Bio-fertilizer production                      | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Vermi-compost production                       | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Organic manures production                     | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Production of fry and fingerlings              | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Production of Bee-colonies and wax sheets      | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Small tools and implements                     | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Production of livestock feed and fodder        | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Production of Fish feed                        | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Others, if any                                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| <b>X. Capacity Building and Group Dynamics</b> |           |            |            |            |            |           |            |          |          |          |            |            |            |
| Leadership development                         | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Group dynamics                                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Formation and Management of SHGs               | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Mobilization of social capital                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Entrepreneurial development of farmers/youths  | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| WTO and IPR issues                             | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Others, if any                                 | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| <b>XI Agro-forestry</b>                        |           |            |            |            |            |           |            |          |          |          |            |            |            |
| Production technologies                        | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Nursery management                             | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| Integrated Farming Systems                     | 0         | 0          | 0          | 0          | 0          |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| <b>XII. Others (Pl. Specify)</b>               |           |            |            |            |            |           | 0          | 0        | 0        | 0        | 0          | 0          | 0          |
| <b>TOTAL</b>                                   | <b>38</b> | <b>592</b> | <b>103</b> | <b>695</b> | <b>133</b> | <b>36</b> | <b>170</b> | <b>2</b> | <b>0</b> | <b>2</b> | <b>727</b> | <b>139</b> | <b>866</b> |

## B) Rural Youth Including the sponsored training programmes (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 | 2              | 29                  | 18 | 47 | 10 | 9 | 19 | 1  | 1 | 2 | 40          | 28 | 68 |

[illegible]

[illegible][illegible][illegible][illegible]

[illegible]

|                                                  |   |    |   |    |    |   |    |   |   |   |    |    |    |
|--------------------------------------------------|---|----|---|----|----|---|----|---|---|---|----|----|----|
| <b>d) Plantation crops</b>                       |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Production and Management technology             | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Processing and value addition                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>e) Tuber crops</b>                            |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Production and Management technology             | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Processing and value addition                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>f) Spices</b>                                 |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Production and Management technology             | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Processing and value addition                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>g) Medicinal and Aromatic Plants</b>          |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Nursery management                               | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Production and management technology             | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Post-harvest technology and value addition       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>III. Soil Health and Fertility Management</b> |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Soil fertility management                        | 2 | 25 | 6 | 31 | 8  | 4 | 12 | 0 | 0 | 0 | 33 | 10 | 43 |
| Soil and Water Conservation                      | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Integrated Nutrient Management                   | 1 | 19 | 0 | 19 | 11 | 0 | 11 | 0 | 0 | 0 | 30 | 0  | 30 |
| Production and use of organic inputs             | 1 | 26 | 0 | 26 | 6  | 0 | 6  | 0 | 0 | 0 | 32 | 0  | 32 |
| Management of Problematic soils                  | 1 | 18 | 0 | 18 | 4  | 0 | 4  | 0 | 0 | 0 | 22 | 0  | 22 |
| Micro nutrient deficiency in crops               | 1 | 25 | 0 | 25 | 7  | 0 | 7  | 2 | 0 | 2 | 34 | 0  | 34 |
| Nutrient Use Efficiency                          | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Soil and Water Testing                           | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                   | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>IV. Livestock Production and Management</b>   |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Dairy Management                                 | 1 | 25 | 9 | 34 | 8  | 4 | 12 | 0 | 0 | 0 | 33 | 13 | 46 |
| Poultry Management                               | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Piggery Management                               | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Rabbit Management                                | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Disease Management                               | 1 | 28 | 9 | 37 | 7  | 0 | 7  | 0 | 0 | 0 | 35 | 9  | 44 |

|                                                                      |   |    |   |    |    |   |    |   |   |   |    |    |    |
|----------------------------------------------------------------------|---|----|---|----|----|---|----|---|---|---|----|----|----|
| Feed management                                                      | 1 | 30 | 9 | 39 | 6  | 0 | 6  | 0 | 0 | 0 | 36 | 9  | 45 |
| Production of quality animal products                                | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any Goat farming                                          | 1 | 25 | 8 | 33 | 11 | 0 | 11 | 0 | 0 | 0 | 36 | 8  | 44 |
| <b>V. Home Science/Women empowerment</b>                             |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Household food security by kitchen gardening and nutrition gardening | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Design and development of low/minimum cost diet                      | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Designing and development for high nutrient efficiency diet          | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Minimization of nutrient loss in processing                          | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Gender mainstreaming through SHGs                                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Storage loss minimization techniques                                 | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Enterprise development                                               | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Value addition                                                       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Income generation activities for empowerment of rural Women          | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Location specific drudgery reduction technologies                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Rural Crafts                                                         | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Capacity building                                                    | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Women and child care                                                 | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Others, if any                                                       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>VI. Agril. Engineering</b>                                        |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Installation and maintenance of micro irrigation systems             | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Use of Plastics in farming practices                                 | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| Production of small tools and implements                             | 1 | 15 | 0 | 15 | 10 | 0 | 10 | 0 | 0 | 0 | 25 | 0  | 25 |
| Repair and maintenance of farm machinery and implements              | 2 | 12 | 9 | 21 | 11 | 5 | 16 | 0 | 0 | 0 | 23 | 14 | 37 |
| Small scale processing and value addition                            | 2 | 18 | 6 | 24 | 8  | 5 | 13 | 0 | 0 | 0 | 26 | 11 | 37 |
| Post-Harvest Technology                                              | 1 | 25 | 0 | 25 | 5  | 0 | 5  | 0 | 0 | 0 | 30 | 0  | 30 |
| Others, if any                                                       | 0 | 0  | 0 | 0  | 0  | 0 | 0  | 0 | 0 | 0 | 0  | 0  | 0  |
| <b>VII. Plant Protection</b>                                         |   |    |   |    |    |   |    |   |   |   |    |    |    |
| Integrated Pest Management                                           | 3 | 48 | 0 | 48 | 14 | 2 | 16 | 0 | 0 | 0 | 62 | 2  | 64 |
| Integrated Disease Management                                        | 3 | 52 | 5 | 57 | 11 | 1 | 12 | 0 | 0 | 0 | 63 | 6  | 69 |





|                                        |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Piggery                                | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Rabbit farming                         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Poultry production                     | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Ornamental fisheries                   | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Para vets                              | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Para extension workers                 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Composite fish culture                 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Freshwater prawn culture               | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Shrimp farming                         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Pearl culture                          | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Cold water fisheries                   | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Fish harvest and processing technology | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Fry and fingerling rearing             | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Small scale processing                 | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Post-Harvest Technology                | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Tailoring and Stitching                | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Rural Crafts                           | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Others, if any                         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| <b>TOTAL</b>                           | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

#### F) Extension Personnel Including the sponsored training programmes (Off 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  |
| Productivity enhancement in field crops               | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Value addition                                        | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Integrated Pest Management                            | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Integrated Nutrient management                        | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Rejuvenation of old orchards                          | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Protected cultivation technology                      | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Formation and Management of SHGs                      | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Group Dynamics and farmers organization               | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Information networking among farmers                  | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Capacity building for ICT application                 | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Care and maintenance of farm machinery and implements | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| WTO and IPR issues                                    | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Management in farm animals                            | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Livestock feed and fodder production                  | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Household food security                               | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Women and Child care                                  | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Low cost and nutrient efficient diet designing        | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Production and use of organic inputs                  | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Gender mainstreaming through SHGs                     | 0              | 0                   | 0 | 0  | 0  | 0 | 0  | 0  | 0 | 0 | 0           | 0 | 0  |
| Bee Keeping                                           | 2              | 45                  | 0 | 45 | 10 | 0 | 10 | 4  | 0 | 4 | 59          | 0 | 59 |
| TOTAL                                                 | 2              | 45                  | 0 | 45 | 10 | 0 | 10 | 4  | 0 | 4 | 59          | 0 | 59 |

### **i. Farmers & Farm Women**

[illegible]





[illegible]

|                                                |           |             |            |             |            |           |            |          |          |          |             |            |             |
|------------------------------------------------|-----------|-------------|------------|-------------|------------|-----------|------------|----------|----------|----------|-------------|------------|-------------|
| Edible oyster farming                          | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Pearl culture                                  | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Fish processing and value addition             | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Others, if any                                 | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| <b>TOTAL</b>                                   | <b>0</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>  | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b>   | <b>0</b>    |
| <b>IX. Production of Inputs at site</b>        |           |             |            |             |            |           |            |          |          |          |             |            |             |
| Seed Production                                | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Planting material production                   | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Bio-agents production                          | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Bio-pesticides production                      | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Bio-fertilizer production                      | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Vermi-compost production                       | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Organic manures production                     | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Production of fry and fingerlings              | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Production of Bee-colonies and wax sheets      | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Small tools and implements                     | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Production of livestock feed and fodder        | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Production of Fish feed                        | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Others, if any                                 | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| <b>TOTAL</b>                                   | <b>0</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>  | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b>   | <b>0</b>    |
| <b>X. Capacity Building and Group Dynamics</b> |           |             |            |             |            |           |            |          |          |          |             |            |             |
| Leadership development                         | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Group dynamics                                 | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Formation and Management of SHGs               | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Mobilization of social capital                 | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Entrepreneurial development of farmers/youths  | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| WTO and IPR issues                             | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| Others, if any                                 | 0         | 0           | 0          | 0           | 0          | 0         | 0          | 0        | 0        | 0        | 0           | 0          | 0           |
| <b>TOTAL</b>                                   | <b>0</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>  | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b>   | <b>0</b>    |
| <b>XI Agro-forestry</b>                        |           |             |            |             |            |           |            |          |          |          |             |            |             |
| <b>Total</b>                                   | <b>69</b> | <b>1116</b> | <b>195</b> | <b>1311</b> | <b>302</b> | <b>57</b> | <b>360</b> | <b>4</b> | <b>0</b> | <b>4</b> | <b>1422</b> | <b>252</b> | <b>1674</b> |

ii. **RURAL YOUTH (On and Off 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 | 2              | 29                  | 18 | 47 | 10 | 9 | 19 | 1  | 1 | 2 | 40          | 28 | 68 |

|                                                         |           |            |           |            |            |           |            |          |          |          |            |           |            |
|---------------------------------------------------------|-----------|------------|-----------|------------|------------|-----------|------------|----------|----------|----------|------------|-----------|------------|
| Bee-keeping                                             | 1         | 22         | 0         | 22         | 12         | 0         | 12         | 0        | 0        | 0        | 34         | 0         | 34         |
| Integrated farming                                      | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Seed production                                         | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Production of organic inputs                            | 2         | 39         | 0         | 39         | 12         | 0         | 12         | 2        | 0        | 2        | 53         | 0         | 53         |
| Integrated Farming                                      | 1         | 22         | 0         | 22         | 3          | 0         | 3          | 0        | 0        | 0        | 25         | 0         | 25         |
| Planting material production                            | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Vermi-culture                                           | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Sericulture                                             | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
|                                                         |           |            |           |            |            |           |            |          |          |          |            |           |            |
| Protected cultivation of vegetable crops                | 1         | 12         | 11        | 23         | 3          | 1         | 4          | 0        | 0        | 0        | 15         | 12        | 27         |
| Commercial fruit production                             | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Repair and maintenance of farm machinery and implements | 1         | 26         | 0         | 26         | 2          | 0         | 2          | 0        | 0        | 0        | 28         | 0         | 28         |
| Nursery Management of Horticulture crops                | 2         | 49         | 12        | 61         | 11         | 3         | 14         | 0        | 0        | 0        | 60         | 15        | 75         |
| Training and pruning of orchards                        | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Value addition                                          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Production of quality animal products                   | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Dairying                                                | 2         | 36         | 1         | 37         | 23         | 0         | 23         | 0        | 0        | 0        | 59         | 1         | 60         |
| Sheep and goat rearing                                  | 2         | 48         | 5         | 53         | 12         | 3         | 15         | 0        | 0        | 0        | 60         | 8         | 68         |
| Quail farming                                           | 0         | 32         | 1         | 33         | 6          | 1         | 7          | 0        | 0        | 0        | 38         | 2         | 40         |
| Piggery                                                 | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Rabbit farming                                          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Poultry production                                      | 2         | 35         | 9         | 44         | 6          | 5         | 11         | 0        | 0        | 0        | 41         | 14        | 55         |
| Ornamental fisheries                                    | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Enterprise development                                  | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Para vets                                               | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Para extension workers                                  | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Composite fish culture                                  | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Freshwater prawn culture                                | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Shrimp farming                                          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Pearl culture                                           | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Cold water fisheries                                    | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Fish harvest and processing technology                  | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Fry and fingerling rearing                              | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Small scale processing                                  | 2         | 16         | 0         | 16         | 6          | 4         | 10         | 0        | 0        | 0        | 22         | 4         | 26         |
| Post-Harvest Technology                                 | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Tailoring and Stitching                                 | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| Rural Crafts                                            | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0        | 0        | 0        | 0          | 0         | 0          |
| <b>TOTAL</b>                                            | <b>19</b> | <b>384</b> | <b>57</b> | <b>441</b> | <b>110</b> | <b>26</b> | <b>136</b> | <b>3</b> | <b>1</b> | <b>4</b> | <b>497</b> | <b>84</b> | <b>581</b> |

### iii. Extension Personnel (On and Off Campus)

| Thematic Area                                         | No. of Course s | No. of Participants |          |           |          |          |           |          |          |          | Grand Total |          |           |
|-------------------------------------------------------|-----------------|---------------------|----------|-----------|----------|----------|-----------|----------|----------|----------|-------------|----------|-----------|
|                                                       |                 | Othe r              |          |           | SC       |          |           | ST       |          |          |             |          |           |
|                                                       |                 | M                   | F        | T         | M        | F        | T         | M        | F        | T        | M           | F        | T         |
| Productivity enhancement in field crops               | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Integrated Pest Management                            | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Integrated Nutrient management                        | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Rejuvenation of old orchards                          | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Protected cultivation technology                      | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Formation and Management of SHGs                      | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Group Dynamics and farmers organization               | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Information networking among farmers                  | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Capacity building for ICT application                 | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Care and maintenance of farm machinery and implements | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| WTO and IPR issues                                    | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Management in farm animals                            | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Livestock feed and fodder production                  | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Household food security                               | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Women and Child care                                  | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Low cost and nutrient efficient diet designing        | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Production and use of organic inputs                  | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Gender mainstreaming through SHGs                     | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Crop intensification                                  | 0               | 0                   | 0        | 0         | 0        | 0        | 0         | 0        | 0        | 0        | 0           | 0        | 0         |
| Bee keeping                                           | 0               | 0                   | 0        | 45        | 0        | 0        | 10        | 0        | 0        | 4        | 59          | 0        | 59        |
| <b>TOTAL</b>                                          | <b>0</b>        | <b>0</b>            | <b>0</b> | <b>45</b> | <b>0</b> | <b>0</b> | <b>10</b> | <b>0</b> | <b>0</b> | <b>4</b> | <b>59</b>   | <b>0</b> | <b>59</b> |

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

| Discipline   | Clien tele | Title of the training programme                     | Dura tion in days | Venu e (Off / On Cam pus) | Number of SC/ST |   |        | Number of participants (others) |    |       | Over all parti cipan ts |
|--------------|------------|-----------------------------------------------------|-------------------|---------------------------|-----------------|---|--------|---------------------------------|----|-------|-------------------------|
|              |            |                                                     |                   |                           | M               | F | Tot al | M                               | F  | Total |                         |
| Horticulture | PF         | Nursery raising of <i>kharif</i> s eason vegetables | 2                 | ON                        | 5               | 2 | 7      | 50                              | 12 | 62    | 69                      |
| Horticulture | PF         | Nursery raising of <i>Rabi</i> season vegetables    | 2                 | OF                        | 8               | 0 | 8      | 35                              | 9  | 46    | 54                      |
| Horticulture | PF         | Layout and preparation of kitchen gardening         | 1                 | ON                        | 2               | 1 | 3      | 18                              | 10 | 51    | 59                      |
| Horticulture | PF         | Nursery raising                                     | 2                 | ON                        | 5               | 2 | 7      | 50                              | 12 | 62    | 49                      |
| Horticulture | PF         | Training and pruning                                | 3                 | ON                        | 5               | 3 | 8      | 31                              | 15 | 46    | 21                      |
| Horticulture | PF         | Layout and Management of Orchards                   | 2                 | ON                        | 6               | 2 | 8      | 41                              | 10 | 51    | 52                      |
| Horticulture | PF         | Scientific cultivation of p apaya                   | 1                 | ON                        | 8               | 5 | 13     | 31                              | 5  | 36    | 50                      |

| Discipline     | Client | Title of the training programme                          | Duration in days | Venue (Off / On Campus) | Number of SC/ST |   |       | Number of participants (others) |    |       | Overall participants |
|----------------|--------|----------------------------------------------------------|------------------|-------------------------|-----------------|---|-------|---------------------------------|----|-------|----------------------|
|                |        |                                                          |                  |                         | M               | F | Total | M                               | F  | Total |                      |
| Horticulture   | PF     | Management and care of mango and litchi orchards         | 1                | ON                      | 6               | 0 | 6     | 15                              | 0  | 15    | 60                   |
| Horticulture   | PF     | Nursery raising of Rabi season vegetables                | 2                | OFF                     | 8               | 0 | 8     | 35                              | 9  | 44    | 31                   |
| Horticulture   | PF     | Training and pruning of fruit crop                       | 2                | OFF                     | 6               | 0 | 6     | 30                              | 14 | 44    | 40                   |
| Horticulture   | PF     | Management of young plants of Banana, citrus, bael & ber | 3                | OFF                     | 12              | 0 | 12    | 40                              | 8  | 48    | 20                   |
| Soil Science   | PF     | Integrated Nutrient Management                           | 2                | ON                      | 6               | 0 | 6     | 25                              | 0  | 25    | 36                   |
| Soil Science   | PF     | Azolla Production and its application                    | 1                | ON                      | 6               | 3 | 9     | 19                              | 12 | 31    | 43                   |
| Soil Science   | PF     | Soil Sampling & Testing Techniques                       | 2                | ON                      | 2               | 0 | 2     | 18                              | 0  | 18    | 30                   |
| Soil Science   | PF     | Management of problematic soil                           | 1                | ON                      | 4               | 0 | 5     | 31                              | 0  | 31    | 32                   |
| Soil Science   | PF     | Fertility management of soil                             | 2                | OFF                     | 8               | 4 | 12    | 25                              | 6  | 31    | 22                   |
| Soil Science   | PF     | Micronutrient Management through organics                | 1                | OFF                     | 11              | 0 | 11    | 19                              | 0  | 19    | 34                   |
| Soil Science   | PF     | Diagnosis of nutrient deficiency and their management    | 1                | OFF                     | 6               | 0 | 6     | 26                              | 0  | 26    | 47                   |
| Soil Science   | PF     | Bio-fertilizer application methods and its importance    | 1                | OFF                     | 4               | 0 | 4     | 18                              | 0  | 18    | 36                   |
| Soil Science   | PF     | Management of problematic soil                           | 1                | OFF                     | 9               | 0 | 9     | 25                              | 0  | 25    | 21                   |
| Animal Science | PF     | Management of milch animals                              | 3                | ON                      | 6               | 4 | 10    | 25                              | 12 | 37    | 29                   |
| Animal Science | PF     | Disease management in bovine                             | 2                | ON                      | 6               | 0 | 6     | 26                              | 4  | 30    | 46                   |
| Animal Science | PF     | Disease management in poultry                            | 1                | ON                      | 3               | 0 | 3     | 16                              | 2  | 18    | 44                   |
| Animal Science | PF     | Small scale goat farming                                 | 1                | ON                      | 6               | 0 | 6     | 21                              | 2  | 23    | 45                   |
| Animal Science | PF     | Disease management in bovine                             | 1                | OFF                     | 8               | 4 | 12    | 25                              | 9  | 34    | 44                   |
| Animal Science | PF     | Disease management in poultry                            | 1                | Off                     | 7               | 0 | 7     | 28                              | 9  | 37    | 27                   |
| Animal Science | PF     | Feeding management of milch and dry animals              | 1                | Off                     | 6               | 0 | 6     | 30                              | 9  | 39    | 35                   |
| Animal Science | PF     | Small scale goat farming                                 | 1                | Off                     | 11              | 0 | 11    | 25                              | 8  | 33    | 50                   |
| Agril. Engg.   | PF     | Installation and maintenance of micro irrigation systems | 1                | ON                      | 5               | 2 | 7     | 18                              | 0  | 18    | 69                   |
| Agril. Engg.   | PF     | Use of Plastics in farming practices                     | 1                | ON                      | 5               | 3 | 8     | 16                              | 5  | 21    | 54                   |
| Agril. Engg.   | PF     | Repair and maintenance of farm machinery and implements  | 2                | ON                      | 6               | 2 | 8     | 29                              | 8  | 37    | 59                   |

| Discipline       | Client | Title of the training programme                         | Duration in days | Venue (Off / On Campus) | Number of SC/ST |           |            | Number of participants (others) |            |             | Overall participants |
|------------------|--------|---------------------------------------------------------|------------------|-------------------------|-----------------|-----------|------------|---------------------------------|------------|-------------|----------------------|
|                  |        |                                                         |                  |                         | M               | F         | Total      | M                               | F          | Total       |                      |
| Agril. Engg.     | PF     | Small scale processing of milk                          | 1                | ON                      | 8               | 5         | 13         | 12                              | 2          | 14          | 49                   |
| Agril. Engg.     | PF     | Post-harvest management of rice                         | 2                | ON                      | 6               | 0         | 6          | 35                              | 0          | 35          | 21                   |
| Agril. Engg.     | PF     | Production of small tools and implements                | 1                | OFF                     | 8               | 0         | 8          | 15                              | 0          | 15          | 52                   |
| Agril. Engg.     | PF     | Repair and maintenance of farm machinery and implements | 2                | OFF                     | 6               | 0         | 6          | 12                              | 9          | 21          | 50                   |
| Agril. Engg.     | PF     | Small scale processing of milk                          | 2                | OFF                     | 12              | 0         | 12         | 18                              | 6          | 24          | 60                   |
| Agril. Engg.     | PF     | Post-harvest management of rice                         | 1                | OFF                     | 6               | 0         | 6          | 25                              | 0          | 25          | 31                   |
| Plant Protection | PF     | Pest management in paddy                                | 4                | ON                      | 6               | 3         | 9          | 62                              | 6          | 68          | 40                   |
| Plant Protection | PF     | Pest management in chickpea                             | 4                | ON                      | 2               | 0         | 2          | 52                              | 2          | 54          | 20                   |
| Plant Protection | PF     | Pest management in rabi season                          | 1                | ON                      | 4               | 0         | 4          | 19                              | 6          | 25          | 36                   |
| Plant Protection | PF     | Disease management in rabi season                       | 3                | OFF                     | 8               | 4         | 12         | 48                              | 0          | 48          | 43                   |
| Plant Protection | PF     | Bio-control of pests and diseases in Rabi season        | 3                | OFF                     | 11              | 0         | 11         | 52                              | 5          | 57          | 30                   |
| Plant Protection | PF     | Bio-control of pests and diseases in Kharif season      | 2                | OFF                     | 6               | 0         | 6          | 28                              | 0          | 28          | 32                   |
| Plant Protection | RY     | Mushroom Production                                     | 2                | ON                      | 4               | 0         | 4          | 29                              | 18         | 47          | 22                   |
| Plant Protection | RY     | Mushroom Production                                     | 1                | ON                      | 9               | 0         | 9          | 22                              | 0          | 22          | 34                   |
| Soil Science     | RY     | Production of organic inputs                            | 2                | ON                      | 6               | 4         | 10         | 39                              | 0          | 39          | 47                   |
| Soil Science     | RY     | Integrated farming and its management                   | 1                | ON                      | 6               | 0         | 6          | 22                              | 0          | 22          | 36                   |
| Horticulture     | RY     | Protected cultivation of vegetable crops                | 1                | ON                      | 3               | 0         | 3          | 12                              | 11         | 23          | 21                   |
| Horticulture     | RY     | Nutritional gardening                                   | 1                | ON                      | 6               | 0         | 6          | 18                              | 0          | 18          | 29                   |
| Horticulture     | RY     | Nursery Management of Horticulture crops                | 1                | ON                      | 8               | 4         | 12         | 49                              | 12         | 61          | 46                   |
| Agril. Engg.     | RY     | Repair and maintenance of farm machinery and implements | 1                | ON                      | 7               | 0         | 7          | 26                              | 0          | 26          | 44                   |
| Agril. Engg.     | RY     | Small scale processing                                  | 1                | ON                      | 6               | 0         | 6          | 16                              | 0          | 16          | 45                   |
| Animal Science   | RY     | Dairy farming and its management                        | 2                | ON                      | 11              | 0         | 11         | 36                              | 1          | 37          | 44                   |
| Animal Science   | RY     | Poultry farming and its management                      | 2                | ON                      | 9               | 0         | 9          | 35                              | 9          | 44          | 27                   |
| Animal Science   | RY     | Sheep and goat rearing                                  | 2                | ON                      | 9               | 5         | 14         | 48                              | 5          | 53          | 35                   |
| Crop production  | PF     | Productivity enhancement in field crops                 | 1                | ON                      | 4               | 0         | 4          | 18                              | 2          | 20          | 24                   |
| Horticulture     | PF     | Rejuvenation of old orchards                            | 1                | ON                      | 4               | 0         | 4          | 15                              | 2          | 17          | 21                   |
| <b>TOTAL</b>     |        |                                                         | <b>88</b>        |                         | <b>421</b>      | <b>83</b> | <b>504</b> | <b>1501</b>                     | <b>255</b> | <b>1756</b> | <b>2261</b>          |

## Details of training programmes for Rural Youth

[illegible]

*\*Training title should specify the major technology /skill transferred*

## I) Sponsored Training Programmes

[illegible]

[illegible][illegible][illegible]

|                                        |     |       |      |       |       |    |   |    |       |      |       |
|----------------------------------------|-----|-------|------|-------|-------|----|---|----|-------|------|-------|
| Participation in exhibition            | 4   | 4     | 0    | 4     | 0     | 1  | 0 | 1  | 5     | 0    | 5     |
| Film Show                              | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Method Demonstrations                  | 2   | 12    | 5    | 17    | 7.2   | 2  | 0 | 2  | 14    | 5    | 19    |
| Farmers Seminar                        | 1   | 3     | 0    | 3     | 0     | 0  | 0 | 0  | 3     | 0    | 3     |
| Workshop                               | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Group discussion                       | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Lectures delivered as resource persons | 12  | 324   | 26   | 350   | 21.5  | 6  | 0 | 6  | 330   | 26   | 356   |
| Advisory Services                      | 62  | 12875 | 1578 | 14453 | 18.6  | 18 | 0 | 18 | 12893 | 1578 | 14471 |
| Scientific visit to farmers field      | 172 | 296   | 12   | 308   | 23.5  | 0  | 0 | 0  | 296   | 12   | 308   |
| Farmers visit to KVK                   | 215 | 685   | 115  | 800   | 25.6  | 0  | 0 | 0  | 685   | 115  | 800   |
| Diagnostic visits                      | 45  | 105   | 16   | 121   | 22.5  | 0  | 0 | 0  | 105   | 16   | 121   |
| Exposure visits                        | 3   | 125   | 35   | 160   | 28.64 | 3  | 0 | 3  | 128   | 35   | 163   |
| Ex-trainees Sammelan                   | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Soil health Camp                       | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Animal Health Camp                     | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Agri mobile clinic                     | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Soil test campaigns                    | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Farm Science Club Conveners meet       | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Self Help Group Conveners meetings     | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Mahila Mandals Conveners meetings      | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Special day celebration                |     |       |      | 0     |       |    |   | 0  | 0     | 0    | 0     |
| Sankalp Se Siddhi                      | 0   | 0     | 0    | 0     | 0     | 0  | 0 | 0  | 0     | 0    | 0     |
| Swatchta Hi Sewa                       | 15  | 180   | 30   | 210   | 15.9  | 12 | 0 | 12 | 192   | 30   | 222   |
| Celebration of important date          | 17  | 90    | 86   | 176   | 12.6  | 12 | 0 | 12 | 102   | 86   | 188   |
| Others                                 | 4   | 85    | 24   | 109   | 19.6  | 4  | 0 | 4  | 89    | 24   | 113   |

## B. Other Extension/content mobilization activities

| Nature of Extension Activity | No. of activities |
|------------------------------|-------------------|
| Newspaper coverage           | 25                |
| Radio talks                  | 0                 |
| TV talks                     | 0                 |
| Popular articles published   | 3                 |
| Extension Literature         | 2                 |
| Electronic media             | 0                 |
| Any other                    | 0                 |

### C. Technology week celebration

| Type of activities | No. of activities | Number of participants | Related crop/livestock technology    |
|--------------------|-------------------|------------------------|--------------------------------------|
| Swachhata Campaign | 12                | 188                    | Swachhata Abhiyan in nearby villages |

### D. Celebration of important days in KVKs

| Celebration of Important Days                     | No. of activities | Farmers |    |       |                     | Extension Officials |   |       | Total |    |       |
|---------------------------------------------------|-------------------|---------|----|-------|---------------------|---------------------|---|-------|-------|----|-------|
|                                                   |                   | M       | F  | Total | SC/ ST (% of total) | M                   | F | Total | M     | F  | Total |
| Republic day (26 <sup>th</sup> Jan.)              | 1                 | 32      | 28 | 60    | 12.2                | 4                   | 0 | 4     | 36    | 28 | 64    |
| World Environment Day (5 <sup>th</sup> June)      | 1                 | 12      | 11 | 23    | 8.5                 | 4                   | 0 | 4     | 16    | 11 | 27    |
| International Yoga Day (21 <sup>st</sup> Jun.)    | 1                 | 15      | 0  | 15    | 2.5                 | 3                   | 0 | 7     | 18    | 0  | 18    |
| ICAR Foundation day (16 <sup>th</sup> July)       | 1                 | 29      | 12 | 41    | 12.5                | 3                   | 0 | 3     | 32    | 12 | 44    |
| Independence Day (15 <sup>th</sup> Aug.)          | 1                 | 35      | 22 | 57    | 21.6                | 4                   | 0 | 4     | 39    | 22 | 61    |
| Parthenium Awareness Week                         | 1                 | 32      | 12 | 44    | 12.4                | 3                   | 0 | 3     | 35    | 12 | 47    |
| Hindi Diwas (14 <sup>th</sup> Sep.)               | 1                 | 10      | 2  | 12    | 9.5                 | 2                   | 0 | 2     | 12    | 2  | 14    |
| Gandhi Jayanti (2 <sup>nd</sup> Oct.)             | 1                 | 15      | 6  | 21    | 21.6                | 2                   | 0 | 2     | 17    | 6  | 23    |
| Mahila Kisan Diwas (15 <sup>th</sup> Oct.)        | 1                 | 0       | 25 | 25    | 23.8                | 2                   | 2 | 4     | 2     | 27 | 29    |
| World Food Day (16 <sup>th</sup> Oct.)            | 1                 | 14      | 6  | 20    | 8.4                 | 2                   | 2 | 4     | 16    | 8  | 24    |
| Vigilance Awareness Week                          | 1                 | 12      | 1  | 13    | 7.3                 | 2                   | 0 | 2     | 14    | 1  | 15    |
| National Unity Day (31 <sup>st</sup> Oct.)        | 1                 | 11      | 0  | 11    | 9.6                 | 0                   | 0 | 0     | 11    | 0  | 11    |
| World Science Day (10 <sup>th</sup> Nov.)         | 1                 | 18      | 6  | 24    | 12.4                | 2                   | 0 | 2     | 20    | 6  | 26    |
| National Education Day (11 <sup>th</sup> Nov.)    | 1                 | 12      | 5  | 17    | 6.5                 | 2                   | 0 | 2     | 14    | 5  | 19    |
| National Constitution Day (26 <sup>th</sup> Nov.) | 1                 | 15      | 9  | 24    | 15.6                | 4                   | 0 | 4     | 19    | 9  | 28    |
| World Soil Day (5 <sup>th</sup> Dec.)             | 1                 | 30      | 5  | 35    | 12.8                | 2                   | 0 | 2     | 32    | 5  | 37    |
| Kisan Diwas (23 <sup>rd</sup> Dec.)               | 1                 | 35      | 11 | 46    | 11.8                | 5                   | 6 | 11    | 40    | 17 | 57    |

### E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

| Sl. | Date of event | Name of Event/Programme                         | Interaction of Hon'ble PM/AM | Participants |        |            |       |
|-----|---------------|-------------------------------------------------|------------------------------|--------------|--------|------------|-------|
|     |               |                                                 |                              | Farmers      | Staffs | VIP/Others | Total |
| 1   | 18.01.2024    | BharatNet provisioning FTTH connections         | Hon'ble PM                   | 35           | 11     | 0          | 35    |
| 2   | 28.02.2024    | PM Kisan Samman Nidhi ki 18 <sup>th</sup> Kisht | Hon'ble PM                   | 72           | 11     | 0          | 72    |
| 3   | 05.10.2024    | PM Kisan Samman Nidhi ki 18 <sup>th</sup> Kisht | Hon'ble PM                   | 146          | 10     | 0          | 156   |

### 3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

#### A. Seed production at seed village

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

## B. Seed production at KVK farm

| Type of seed produced  | Variety                 | Quantity of seed (q) | Value (Rs)   | Number of farmers to whom seed provided |          |           |            |
|------------------------|-------------------------|----------------------|--------------|-----------------------------------------|----------|-----------|------------|
|                        |                         |                      |              | SC                                      | ST       | Other     | Total      |
| <b>Cereals</b>         |                         |                      |              |                                         |          |           |            |
| Wheat                  | DBW 187                 | 112.0                |              |                                         |          |           |            |
| Wheat                  | HD 2967                 | 5.0                  | -            | -                                       | -        | -         | -          |
|                        |                         |                      | -            | -                                       | -        | -         | -          |
| Paddy                  | <i>Rajshree</i>         | 102.40               |              |                                         |          |           |            |
| Finger Millet          | <i>Rajendra madua 1</i> | 3.20                 |              |                                         |          |           |            |
| <b>Pulses</b>          |                         |                      |              |                                         |          |           |            |
| Moong                  | <i>Virat</i>            | 3.44                 | -            | -                                       | -        | -         | -          |
| <b>Oil seed</b>        |                         |                      |              |                                         |          |           |            |
| Rai/mustard            | <i>Rajendra suflam</i>  | Crop standing        | -            | -                                       | -        | -         | -          |
| Green Manure           |                         |                      |              |                                         |          |           |            |
| Commercial crop        |                         |                      |              |                                         |          |           |            |
| Vegetables             |                         |                      |              |                                         |          |           |            |
| Fodder (Hybrid Napier) | CO-2                    | 1000 sticks          | 1000         | 15                                      | 0        | 35        | 50         |
| Finger Millet          | -                       | 0.50 q               | 2500         | 15                                      | 0        | 25        | 40         |
| Vermicompost           | -                       | 2.0 q                | 2000         | 30                                      | 0        | 20        | 50         |
| Azolla                 | -                       | 0.2 q                | 4000         | 5                                       | 0        | 7         | 12         |
| Spices                 |                         |                      |              |                                         |          |           |            |
| Fruits                 |                         |                      |              |                                         |          |           |            |
| Forest crop            |                         |                      |              |                                         |          |           |            |
| Ornamental/flower      |                         |                      |              |                                         |          |           |            |
| Medicinal              |                         |                      |              |                                         |          |           |            |
| <b>Grand Total</b>     |                         |                      | <b>15000</b> | <b>61</b>                               | <b>0</b> | <b>54</b> | <b>115</b> |

## C. 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                 | <i>Improved variety</i> | 1500                      | 7500       | -                                                    | -  | -     | -     |
| Cabbage                     | <i>Improved variety</i> | 1500                      | 7500       | -                                                    | -  | -     | -     |
| Brocoli                     |                         | 1500                      | 7500       |                                                      |    |       |       |
| Tomato                      | <i>Improved variety</i> | 4000                      | 20000      | -                                                    | -  | -     | -     |
| Brinjal                     | <i>Improved variety</i> | 3000                      | 15000      | -                                                    | -  | -     | -     |
| Chilli                      | <i>Kashi Abha</i>       | 3500                      | 17500      | -                                                    | -  | -     | -     |
| Bitter gourd                |                         | 1000                      | 5000       | -                                                    | -  | -     | -     |
| Bottle gourd                |                         | 1000                      | 5000       |                                                      |    |       |       |
| Sponge gourd                |                         | 1500                      | 7500       |                                                      |    |       |       |
| Cucumber                    |                         | 1000                      | 5000       |                                                      |    |       |       |
| Bottle gourd                |                         | 1000                      | 5000       | -                                                    | -  | -     | -     |
| Moringa                     | <i>PKM1</i>             | 1400                      | 56000      | -                                                    | -  | -     | -     |
| <b>Commercial seedlings</b> |                         | 0                         | 0          | -                                                    | -  | -     | -     |

|                               |                     |              |               |   |   |   |   |
|-------------------------------|---------------------|--------------|---------------|---|---|---|---|
| Mulberry                      |                     | 0            | 0             | - | - | - | - |
| Sugarcane,                    |                     | 0            | 0             | - | - | - | - |
| Sweet Potato                  |                     | 0            | 0             | - | - | - | - |
| Turmeric                      |                     | 0            | 0             | - | - | - | - |
| Zinger                        |                     | 0            | 0             | - | - | - | - |
| Others                        |                     | 0            | 0             | - | - | - | - |
| <b>Fruitsseedlings</b>        |                     | 0            | 0             | - | - | - | - |
| Mango                         |                     | 0            | 0             | - | - | - | - |
| Guava                         |                     | 0            | 0             | - | - | - | - |
| Lime                          | <i>Pusa sarwati</i> | 50           | 3500          | - | - | - | - |
| Papaya                        | <i>Red lady</i>     | 3100         | 93000         | - | - | - | - |
| Banana                        |                     | 0            | 0             | - | - | - | - |
| <b>Ornamental plants</b>      |                     | 0            | 0             | - | - | - | - |
| Marigold                      |                     | 0            | 0             | - | - | - | - |
| Annual chrysanthemum          |                     | 0            | 0             | - | - | - | - |
| Tuberose                      |                     | 0            | 0             | - | - | - | - |
| Others                        |                     | 0            | 0             | - | - | - | - |
| <b>Medicinal and Aromatic</b> | <i>Aloevera</i>     | 100          | 1000          | - | - | - | - |
|                               | <i>Lemon grass</i>  | 500          | 1000          | - | - | - | - |
|                               | <i>Satawar</i>      | 125          | 625           | - | - | - | - |
|                               | <i>Leafy ajwain</i> | 125          | 625           | - | - | - | - |
|                               | <i>Patharchur</i>   | 125          | 625           | - | - | - | - |
|                               | <i>Mulethi</i>      | 125          | 625           | - | - | - | - |
|                               | <i>Pudina</i>       | 125          | 625           | - | - | - | - |
|                               | <i>Tulsi</i>        | 125          | 625           | - | - | - | - |
| <b>Plantation</b>             |                     | 0            | 0             |   |   |   |   |
| <b>Tuber crop</b>             |                     | 0            | 0             | - | - | - | - |
| <b>Elephant yams</b>          |                     |              |               |   |   |   |   |
| <b>Turmeric</b>               |                     | 0            | 0             | - | - | - | - |
| <b>Tuberose</b>               |                     | 0            | 0             | - | - | - | - |
| <b>Hybrid Napier</b>          |                     | 0            | 0             | - | - | - | - |
| <b>Forest species</b>         | Jamun               | 50           | 1500          | - | - | - | - |
| <b>Grand Total</b>            |                     | <b>26450</b> | <b>262250</b> | - | - | - | - |

#### D. Forest species

| Crop  | Variety | No. of planting materials | Value (Rs) | Number of farmers to whom planting material provided |    |       |       |
|-------|---------|---------------------------|------------|------------------------------------------------------|----|-------|-------|
|       |         |                           |            | SC                                                   | ST | Other | Total |
| Jamun | Local   | 50                        | 1500       | 50                                                   | 0  | 0     | 50    |

#### E. Fodder crops saplings

| Crop                 | Variety | No. of planting materials | Value (Rs) | Number of farmers to whom planting material provided |    |       |       |
|----------------------|---------|---------------------------|------------|------------------------------------------------------|----|-------|-------|
|                      |         |                           |            | SC                                                   | ST | Other | Total |
| <b>Napier hybrid</b> | CO2     | 2500                      | 2500       | 50                                                   | 0  | 50    | 100   |

**F. Production of Bio-Products**

| Name of product                                                                                                                | Quantity (Kg) | Value (Rs.) | No. of Farmers benefitted |    |       |       |
|--------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|---------------------------|----|-------|-------|
|                                                                                                                                |               |             | SC                        | ST | Other | Total |
| <b>Bio-fertilizers</b>                                                                                                         | -             | -           | -                         | -  | -     | -     |
| <b>Bio-food(Spirulina etc)</b>                                                                                                 | -             | -           | -                         | -  | -     | -     |
| <b>Bio-pesticide</b>                                                                                                           | -             | -           | -                         | -  | -     | -     |
| <b>Bio-agents (Trichocard etc)</b>                                                                                             | -             | -           | -                         | -  | -     | -     |
| <b>Worms (earthworm, silk worms etc)</b>                                                                                       | -             | -           | -                         | -  | -     | -     |
| <b>Bio-fungicide</b>                                                                                                           | -             | -           | -                         | -  | -     | -     |
| <b>Others, please specify<br/>(Mushroom spawn, Culture<br/>Mineral Mixture, Coir pith compost, Cow<br/>dung,<br/>Cow urine</b> | -             | -           | -                         | -  | -     | -     |
| <b>Total</b>                                                                                                                   | -             | -           | -                         | -  | -     | -     |

**G. Production of livestock & fisheries materials**

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

## H. SOIL & WATER TESTING

### a. Details of equipment available in Soil and Water Testing Laboratory

| Sl. No | Name of the Equipment                | Qty. |
|--------|--------------------------------------|------|
| -      | Mrida Parikshak kit (Not functional) | 01   |

### b. Details of samples analyzed so far

| Total number of soil samples analyzed till now |                                 |       |
|------------------------------------------------|---------------------------------|-------|
| Through mini soil testing kit/labs             | Through soil testing laboratory | Total |
| -                                              | 150                             | 150   |

### c. Detail of Soil, Water and Plant analysis at KVK (2024)

| Sl. | Analysis        | No. of Samples analyzed | No. of Villages covered | No. of Farmers benefitted | Amount realized (Rs.) |
|-----|-----------------|-------------------------|-------------------------|---------------------------|-----------------------|
| 1.  | Soil            | 150                     | 05                      | 150                       | Nil                   |
| 2.  | Water           | -                       | -                       | -                         | -                     |
| 3.  | Plant           | -                       | -                       | -                         | -                     |
| 4.  | Fertilizers     | -                       | -                       | -                         | -                     |
| 5.  | Manures         | -                       | -                       | -                         | -                     |
| 6.  | Food            | -                       | -                       | -                         | -                     |
| 7.  | Others (if any) | -                       | -                       | -                         | -                     |

### d. Details of World Soil Day Celebration

| Sl. No. | No. of Activity conducted | Soil Health Cards distributed | No. of farmers benefitted | No. of VIPs Number of | Name (s) of VIP(s) involved if any | Total No. of Participants attended the program |
|---------|---------------------------|-------------------------------|---------------------------|-----------------------|------------------------------------|------------------------------------------------|
|         | 1                         | 15                            | 15                        | 0                     | 0                                  | 30                                             |
|         |                           |                               |                           |                       |                                    |                                                |

## I. Activities under Rain Water Harvesting structure and Micro Irrigation System

| S.No | No of training programme conducted | No. of demonstrations | No. of plant material produced | Visit by the farmers (No.) | Visit by the officials (No.) |
|------|------------------------------------|-----------------------|--------------------------------|----------------------------|------------------------------|
| 1    | 05                                 | 02                    | -                              | 354                        | 14                           |

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

#### 1. Name of Seed Hub Centre:

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| <b>Name of Nodal Officer:</b>   | Dr. Sanjay Kumar Rai (Senior Scientist & Head) |
| <b>Name of Co-PI, Seed Hub:</b> | Dr. J. C. Chandola (SMS, Horticulture)         |
| <b>Address :</b>                | KVK Saran                                      |
| <b>e-mail :</b>                 | Head.kvk.manjhi@rpcu.ac.in                     |
| <b>Phone No./Mobile :</b>       | 6287797158                                     |

#### 2. Quality Seed Production of Pulses

| Season             | Name of crop taken under seed production | Name of variety taken under seed production | Crop and variety wise area (ha) covered under seed production | Crop and variety wise Yield (Q/ha) | Crop and variety wise quantity of seed produced (Q) | Crop and variety wise quantity of seed sale out (Q) | Crop and variety wise number of farmers purchased seed from KVK | Quantity of seed sale out to farmers (Q) | No of village covered through sale of seed | Quantity of seed sale out to other organization (Q) | Amount generated (Lakh) during 2024-24 | Total amount (Lakh) in Seed Hub project presently |
|--------------------|------------------------------------------|---------------------------------------------|---------------------------------------------------------------|------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|--------------------------------------------|-----------------------------------------------------|----------------------------------------|---------------------------------------------------|
| Kharif 2024        | Pigeonpea                                | Rajendra Arhar-2                            | 6.0                                                           | 1.67                               | 10                                                  | 6                                                   | 4                                                               | 6                                        | 2                                          | -                                                   | 1.72315                                | 101.7625                                          |
| Rabi 2024          | Lentil                                   | Pusa Ageti                                  | 32.0                                                          | 3.28                               | 105                                                 | 12                                                  | 4                                                               | 12                                       | 4                                          | -                                                   |                                        |                                                   |
|                    | Chickpea                                 | RVG-204                                     | 12.5                                                          | 5.20                               | 65                                                  | 6                                                   | 2                                                               | 6                                        | 1                                          | -                                                   |                                        |                                                   |
| Summer/Spring 2024 | Green Gram                               | Virat                                       | 25                                                            | 4.08                               | 102                                                 | 2                                                   | 1                                                               | 2                                        | 1                                          | -                                                   |                                        |                                                   |

### 3. Financial Progress

| Fund received | Expenditure (Rs. in lakhs) |                | Unspent balance (Rs. in lakhs) | Remarks                                                                                                                                            |
|---------------|----------------------------|----------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|               | Infrastructure             | Revolving fund |                                |                                                                                                                                                    |
| 2016-17       | -                          | -              | -                              |                                                                                                                                                    |
| 2017-18       | 0.00                       | 4.34183        | 72.97537                       |                                                                                                                                                    |
| 2018-19       | 50.00                      | 8.12463        | 83.48036                       |                                                                                                                                                    |
| 2019-20       | 0.00                       | 5.33943        | 87.96344                       |                                                                                                                                                    |
| 2020-21       | 0.00                       | 1.00750        | 87.38324                       |                                                                                                                                                    |
| 2021-22       | 50.00                      | 0.05090        | 88.15824                       |                                                                                                                                                    |
| 2022-23       | 0.00                       | 9.00895        | 98.37979                       |                                                                                                                                                    |
| 2023-24       | 0.00                       | 1.72315        | 101.7625                       |                                                                                                                                                    |
| 2024-25       | 0.00                       | 2.6513         | 103.990                        | In kind Rs. around 80,000.00 remains from farmers of 2023-24(During the period of Dr Abhay Kumar Singh Ex. Head and SMS Dr K.L.Regar of KVK, Saran |

### 4. Infrastructure Development

| Item                 | Progress |
|----------------------|----------|
| Seed processing unit | Done     |

|                              |      |
|------------------------------|------|
| Seed storage structure       | Done |
| Nursery                      | Done |
| Animal sector                | Done |
| Mushroom / other enterprises | Done |
| Others                       | -    |

### 3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

#### A. Details of Research papers published by KVK (with full title, author & journal)

| S.No | Item           | Details of publication bibliographic form<br>(Authors name, year, title, volume, issue, page no, journal name) | NASS Rating |     |
|------|----------------|----------------------------------------------------------------------------------------------------------------|-------------|-----|
|      |                |                                                                                                                | > 6         | < 6 |
| 1    | Research paper | -                                                                                                              | -           | -   |

#### B. Details of Other Publications

| Particulars                                         | Details of publication bibliographic form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No of copies published (if any) | No of copies distributed (if any) |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|
| Abstracts in Seminar/conference/ symposia published |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                                   |
| Books published                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                               | -                                 |
| Book chapter published                              | <p>1. Patel, S.S., Kumbhar C. R., Kumar V., Singh, A.K., Regar, K.L., Ram, R.M. and Chandola, J. C. (2024). Fasal Katai uprant jalvayu anukul prodhaugiki. Jalvayu Anukul Krishi: ek pahal. ISBN No: 978-81-985012-7-1:7-11.</p> <p>1. Kumar V., Patel, S.S., Kumbhar C. R., Chandola, J. C. Singh, A.K., Regar, K.L., and Ram, R.M. (2024). Badalte mausam me sanrakshan kheti ki bhumika. Jalvayu Anukul Krishi: ek pahal. ISBN No: 978-81-985012-7-1:12-18.</p> <p>1. Chandola, J. C. Kumar V., Kumbhar C. R., Patel, S.S., A.K., Regar, K.L. and Ram, R.M. (2024). Jalvayu</p> | 1                               | -                                 |

|                            |                                                                                                                                                               |   |   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
|                            | anukul kheti me<br>NICRA pariyojna ki<br>bhumika. Jalvayu<br>Anukul Krishi: ek<br>pahal. ISBN No:978-<br>81-985012-7-1: 19-24.                                |   |   |
| Popular articles published | -                                                                                                                                                             | - | - |
| Success story published    | Tamta, S., Pal, R.,<br>Kundu, M.S. and<br>Chandola, J.C. 2024.<br>Maize sellar machine<br>ke madhyam se mili<br>aarthik smridhi. Kisan<br>Bharti. 55(10): 14. | - | - |
| TOTAL                      | 4                                                                                                                                                             |   |   |

### C. Details of HRD programmes undergone by KVK personnel

| Sl. No. | Name of KVK personnel and designation                                                                                                                                  | Name of course/training program attended                        | Date and Duration                             | Organizer/Venue    |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|--------------------|
| 1.      | Dr. Ratul Moni Ram, SMS (Plant Protection)                                                                                                                             | 3 days HRD programme                                            | 5-7 <sup>th</sup> , March 2024                | RPCAU, Pusa        |
| 2.      | Dr. Abhay Kumar Singh, Senior Scientist & Head,<br>Dr. Saurabh Shankar Patel, SMS, PHT,<br>Dr. Kanhaiya Lal Regar, SMS, Soil Science<br>Dr. Kumbhar Chetanya, SRF, CRA | CRA review meeting                                              | 6 <sup>th</sup> April.2024                    | RPCAU, Pusa        |
| 3.      | Dr. Kanhaiya Lal Regar, SMS, Soil Science                                                                                                                              | OFT finalization workshop                                       | 28 <sup>th</sup> & 29 <sup>th</sup> May, 2024 | BAU, Sabour        |
| 4.      | Dr. J.C. Chandola SMS (Horticulture),                                                                                                                                  | OFT finalization workshop                                       | 6 & 7 <sup>th</sup> June, 2024                | ICAR- ATARI, Patna |
| 5.      | Dr. Ratul Moni Ram, SMS (Plant Protection)                                                                                                                             | OFT finalization workshop                                       | 14&15 <sup>th</sup> June, 2024                | ICAR- ATARI, Patna |
| 6.      | Dr. J.C. Chandola SMS (Horticulture),                                                                                                                                  | Mango diversity show -cum- workshop (RPCAU Amatsav-2024)        | 27 <sup>th</sup> June, 2024                   | RPCAU, Pusa        |
| 7.      | Dr. Abhay Kumar Singh, Senior Scientist & Head, (Animal Science)                                                                                                       | OFT finalization workshop                                       | 27 & 28 <sup>th</sup> June, 2024              | ICAR- ATARI, Patna |
| 8.      | Dr. Saurabh Shankar Patel, SMS, PHT,                                                                                                                                   | OFT finalization workshop                                       | 25 & 26 <sup>th</sup> July, 2024              | ICAR- ATARI, Patna |
| 9.      | Dr. Abhay Kumar Singh, Senior Scientist & Head                                                                                                                         | Annual zonal workshop                                           | 29 & 30 <sup>th</sup> August, 2024            | BAU, Sabour        |
| 10.     | Dr. Kumbhar Chetanya, SRF, CRA                                                                                                                                         | Conference on Disaster Management & CRA foe a prosperous nation | 26 <sup>th</sup> September, 2024              | RPCAU, Pusa        |

|     |                                                     |                                                                 |                                                   |                       |
|-----|-----------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-----------------------|
| 11. | Dr. Sanjay Kumar Rai Singh, Senior Scientist & Head | 8th Extension Education Council                                 | 5 <sup>th</sup> October, 2024                     | RPCAU, Pusa           |
| 12. | Dr. Sanjay Kumar Rai Singh, Senior Scientist & Head | Xth MDP for Newly Recruited Senior Scientists and Heads of KVKs | 25 <sup>th</sup> November, 2024-31 December, 2024 | ICAR-NAARM, Hyderabad |

#### D. Awards/Recognition

##### Institutional Award received by KVK

| Sl. No. | Name of KVK        | Name of the Award                | Value (In Amount/kind) | Achievement                          | Conferring Authority |
|---------|--------------------|----------------------------------|------------------------|--------------------------------------|----------------------|
| 1       | Sonpur mela, Saran | 2 <sup>nd</sup> best stall award | -                      | Recognized in State level mela, 2024 | Govt. of Bihar       |

##### Award received by KVK Scientists

| Sl. | Name of KVK personnel | Name of the Award               | Value (In Amount/kind) | Achievement | Conferring Authority |
|-----|-----------------------|---------------------------------|------------------------|-------------|----------------------|
| 1   | Saran                 | Best lecture/presentation award | -                      | -           | -                    |

##### Award received by Farmers

| Sl. | Name of KVK | Name of the Farmer | Name of the Award     | Address               | Contact No. | Value (In Amount/kind) | Achievement                              | Conferring Authority |
|-----|-------------|--------------------|-----------------------|-----------------------|-------------|------------------------|------------------------------------------|----------------------|
| 1.  | KVK, Saran  | Sunita Prasad      | Rajya Gaurav Puruskar | Bareja, Manjhi, Saran | 993125 2609 | -                      | Adoption & Promotion of vertical farming | Gov. of Bihar        |

### 3.7. TECHNOLOGY DEVELOPMENT

#### A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

| Sl. No. | Name/ Title of the technology | Brief details of the Innovative Technology                                                                                                                | Impact of the technology                                                               | Status of commercialization/Patent                                                                      |
|---------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 2       | Bamboo based Vertical farming | The farmer earlier practiced vertical farming on plastic pipes, but later switched to bamboo-made pipes. Thus, she saves the cost of pipes by nearly 10%. | Nearby farming communities are adopting this technology for enhancing their livelihood | Promotion of vertical farming neighboring area and fulfill the daily vegetables requirements of farmers |

**B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)**

| Sl. No. | Enterprise                                              | Brief details of the ITK Practiced                                                                                             | Purpose/Impact of ITK                      | Impact of the technology                                              |
|---------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------|
| 1       | Plantation fruit crops                                  | The kerosene-soaked swap is put at the place where the stem borers are damaging the Mango fruit trees                          | Control of stem borer in Mango fruit trees | Medium adaptability by the farmers                                    |
| 2       | Soil fertility management                               | Letting the animals stay in the field for 1 or 2 nights is done to increase fertility of soils                                 | Improvement of soil fertility              | Medium adaptability by the farmers                                    |
| 3       | Seed treatment with Neem oil                            | Neem oil is mixed with water @ 30ml./lit. and sprayed                                                                          | To control stem borer in rice.             | High adaptability by the farmers                                      |
| 4       | Pointed Gourd                                           | Planting of pointed gourd through manual earth diggers (Rumba) by farmers is quite popularized among farmers                   | Save moisture                              | Popularized by farming community undergoing pointed gourd cultivation |
| 5       | Insect control with Straw wrapped in Fruit trees- Mango | Straw wrapped around the tree trunks to control insects from crawling upwards                                                  | Straw acts as physical barrier for insects | Medium adaptability by the farmers                                    |
| 6       | Water conservation with mulching in tomato              | Plastic and straw used as mulch in winter season vegetable i.e., tomato to minimize the irrigation as well as cultivation cost | Saving of irrigation and weeding cost      | Medium adaptability by the farmers                                    |

Give details of by the farmer (if Any)

| Sl. No. | Crop / Enterprise                                       | Area (ha)/ No. covered | Production                 | No. of farmers involved | Market available (Y/N) |
|---------|---------------------------------------------------------|------------------------|----------------------------|-------------------------|------------------------|
| 1.      | Plantation fruit crops                                  | 5                      | Mango-12-15 t/ha           | 25                      | Y                      |
| 2       | Soil fertility management                               | 15                     | Rice-wheat: 78 q/ha        | 35                      | Y                      |
| 3       | Seed treatment with Neem oil                            | 25                     | Rice-46 q/ha               | 52                      | Y                      |
| 4       | Pit method Pointed Gourd cultivation                    | 45                     | Pointed gourd-170-180 q/ha | 80                      | Y                      |
| 5       | Insect control with Straw wrapped in Fruit trees- Mango | 12                     | Mango-10-12 t/ha           | 18                      | Y                      |
| 6       | Water conservation with mulching in tomato              | 30                     | Tomato-305 q/ha            | 55                      | Y                      |

**C. 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.      | Projector                                       | For telecasting of live programmes and PowerPoint |

|    |        |                                                                                                                       |
|----|--------|-----------------------------------------------------------------------------------------------------------------------|
|    |        | presentation and other video playback purposes in training and others programme                                       |
| 2. | Gruber | For minimize the cost of weeding and hoeing in cropped areas and also collecting the unwanted weeds from plough area. |

#### 4. IMPACT

##### A. Impact of KVK activities/large-scale adoption of technology

| Name of specific technology/skill transferred                          | No. of participants | % of adoption | Change in income (Rs.) |                  |
|------------------------------------------------------------------------|---------------------|---------------|------------------------|------------------|
|                                                                        |                     |               | Before (Rs./Unit)      | After (Rs./Unit) |
| Cropping System and farming System approach to sustainable agriculture | 40                  | 65            | 20000/ha               | 25000/a          |
| Resource conservation Technology                                       | 130                 | 72            | 17000/ha               | 20000/ha         |
| INM                                                                    | 210                 | 65            | 18000/ha               | 25000/ha         |
| IPM                                                                    | 128                 | 59            | 21000/ha               | 18000/ha         |
| Seed Production                                                        | 50                  | 40            | 26000/ha               | 46000/ha         |
| Vermicompost Production                                                | 65                  | 45            | 4800/unit              | 14400/unit       |
| Mushroom production                                                    | 275                 | 47            | NIL                    | 50000/annum      |

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

##### B. Details of entrepreneurship/startup developed by KVK

|                                                                                                                                                                                              |                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the entrepreneur/ Name of the enterprise/firm                                                                                                                                        | <b>Nandini Agro group, Pvt. Ltd.</b>                                                                                                                                                      |
| Registered address of the entrepreneur/firm                                                                                                                                                  | Mithun Kumar, Village: Sitalpur Dih, Post: Sitalpur, Block-Dighwara, District: Saran, Bihar, 9304712209                                                                                   |
| Year of establishment                                                                                                                                                                        | 2023                                                                                                                                                                                      |
| Type of Enterprise                                                                                                                                                                           | Mushroom                                                                                                                                                                                  |
| Registration details                                                                                                                                                                         | U15313UP2004PTC029037, RoC-Kanpu                                                                                                                                                          |
| No of members associated                                                                                                                                                                     | 1500                                                                                                                                                                                      |
| Technical components of the enterprise (with commodity)                                                                                                                                      | Compost preparation,<br>Air condition chamber<br>Casing treatment<br>Temperature and humidity control                                                                                     |
| Annual Income/revenue of the enterprise                                                                                                                                                      | 4-6 lakh                                                                                                                                                                                  |
| Role of KVK/Technology backstopping (quantitative data support)                                                                                                                              | Time to time technical support <ul style="list-style-type: none"> <li>Technical support in setting up of AC mushroom growing chamber with District Horticulture Office, Saran.</li> </ul> |
| Period/Timeline of the entrepreneurship development                                                                                                                                          | 4 years                                                                                                                                                                                   |
| Economic and Social status of entrepreneur before and after the enterprise                                                                                                                   | From an unemployed youth in the beginning, the person in earning a hefty income in lakhs.                                                                                                 |
| 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                                                                                                                                                                              |
| Major achievements                                                                                                                                                                           | Motivated neighboring farmers community for development of mushroom enterprises                                                                                                           |
| Major constrains                                                                                                                                                                             | NA                                                                                                                                                                                        |



## 1. Personal information

|    |                                                                                           |                     |                           |                             |                           |                  |  |
|----|-------------------------------------------------------------------------------------------|---------------------|---------------------------|-----------------------------|---------------------------|------------------|--|
| 1. | Name of the farmer/ entrepreneur: Md. Iqbal Khan                                          |                     |                           |                             |                           |                  |  |
| 2. | Date of Birth: 12.15.1972                                                                 |                     |                           |                             |                           |                  |  |
| 3. | Education: 12 <sup>th</sup>                                                               |                     |                           |                             |                           |                  |  |
| 4. | Farming Experience/ Experience in enterprise: 15 years' experience in oil seed production |                     |                           |                             |                           |                  |  |
| 5. | Cell no./ e-mail:-                                                                        |                     |                           |                             |                           |                  |  |
| 6. | Full address: Village- Gurdhah Khurd, Block- Manjhi                                       |                     |                           |                             |                           |                  |  |
| 7. | Professional membership<br>(Farmer club/SHG/ATMA/etc.): ATMA                              |                     |                           |                             |                           |                  |  |
| 8. | Major achievement of the farmers                                                          |                     |                           |                             |                           |                  |  |
|    | <b>Specific Technology</b>                                                                | <b>Yield (q/ha)</b> | <b>Gross cost (Rs/ha)</b> | <b>Gross income (Rs/ha)</b> | <b>Net income (Rs/ha)</b> | <b>B:C ratio</b> |  |
|    | Farmer practices                                                                          | 8.90                | 21900                     | 42925                       | 21024                     | 1.96             |  |
|    | Demonstration                                                                             | 11.2                | 23692                     | 64960                       | 41269                     | 2.74             |  |
|    | % Increase                                                                                | 25.8                |                           |                             |                           |                  |  |
| 9. | Awards received: NA                                                                       |                     |                           |                             |                           |                  |  |

## 2. Professional Information

|    |                                                                                                                                                                                                                                                                              |                     |                           |                             |                           |                  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|-----------------------------|---------------------------|------------------|
| 1. | Title of the success story/case study:<br><ul style="list-style-type: none"> <li>Scientific cultivation of improved variety of Rapeseed/Mustard (Var.- <i>RH-761</i>)</li> </ul>                                                                                             |                     |                           |                             |                           |                  |
| 2. | Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)-<br><ul style="list-style-type: none"> <li>Lack of high-quality seed varieties, inadequate irrigation facilities</li> </ul>                          |                     |                           |                             |                           |                  |
| 3. | Plan, Implement and Support/KVK Intervention(s):<br>(Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How) |                     |                           |                             |                           |                  |
| 4. | Details of Practices followed by the farmer:<br><ul style="list-style-type: none"> <li>Improved Variety, Seed Treatment with Azotobacter and Nutrient Management based on Soil test value.</li> </ul>                                                                        |                     |                           |                             |                           |                  |
| 5. | Results/ Output (economical/ social/ etc.)<br>(Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)                                                                                                                                          |                     |                           |                             |                           |                  |
|    | <b>Specific Technology</b>                                                                                                                                                                                                                                                   | <b>Yield (q/ha)</b> | <b>Gross cost (Rs/ha)</b> | <b>Gross income (Rs/ha)</b> | <b>Net income (Rs/ha)</b> | <b>B:C ratio</b> |

|    |                                                                                                                                                                                                                                                                                                                                                                  |      |       |        |       |      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|-------|------|
|    | Farmer practices                                                                                                                                                                                                                                                                                                                                                 | 13.6 | 40442 | 76840  | 36398 | 1.90 |
|    | Demonstration                                                                                                                                                                                                                                                                                                                                                    | 20.4 | 45023 | 115260 | 70237 | 2.56 |
|    | % Increase                                                                                                                                                                                                                                                                                                                                                       | 50.0 |       |        |       |      |
| 6. | Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families, groups and/or society- Provide a short summary of the actual change (on knowledge, attitude, skills, practice, or policy) that took place. Provide quantitative measures, where possible and use simple graphs or tables to illustrate a point.)(50–100 words) |      |       |        |       |      |
| 7. | Future plans: to adopt diversification in oil seed crop                                                                                                                                                                                                                                                                                                          |      |       |        |       |      |
| 8. | Supporting Images<br>                                                                                                                                                                         |      |       |        |       |      |

### 3. Economic Information

| Enterprise | Gross Income (annual) | Net income | Cost-Benefit ratio |
|------------|-----------------------|------------|--------------------|
| -          | -                     | -          | -                  |

## 5. LINKAGES

### 5.1. Functional linkage with different organizations

| Sl | Name of organization                                  | Nature of linkage                                                                                                                                                                                                                                        |
|----|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | District Agriculture Department                       | <ul style="list-style-type: none"> <li>• Identification of training needs</li> <li>• Joint implementation of training programme Diagnostic Team visits</li> <li>• Identification of target groups</li> </ul>                                             |
| C. | DRDA, Saran                                           | <ul style="list-style-type: none"> <li>• Sponsored Training Programme &amp; Joint Implementation of Developmental Programme</li> </ul>                                                                                                                   |
| D. | Agriculture Technology Management Agency (ATMA) Saran | <ul style="list-style-type: none"> <li>• Sponsored Training Programme &amp; Joint Implementation of Developmental Programme Sponsored Training Programmers</li> <li>• Preparation of SERP</li> <li>• Identification of target groups</li> </ul>          |
| E. | District Horticulture Department Saran                | <ul style="list-style-type: none"> <li>• Joint participation in meetings</li> <li>• Demonstration of Biofertilizers</li> <li>• Joint implementation of training programme, Diagnostic Team visits.</li> <li>• Identification of target groups</li> </ul> |
| F. | Joint Director, Agriculture                           | <ul style="list-style-type: none"> <li>• Joint Implementation of Training programme Diagnostic team</li> </ul>                                                                                                                                           |

|    |          |                                                |
|----|----------|------------------------------------------------|
|    | Saran    | visits<br>• Identification of training needs   |
| G. | Jeevika  | • Training Programme                           |
| H. | NABARD   | • Training Programme and Kisan club formation  |
| I. | NYK      | • For technology transfer                      |
| J. | MGNAREGA | • For development in villages and KVK premises |

**5.2. Details of Externally funded project & Programmes during 2024 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)**

**a) Programmes for infrastructure development**

| Name of the programme/<br>scheme | Purpose of programme  | Date/ Month of<br>initiation | Funding<br>agency | Amount (Rs.) |
|----------------------------------|-----------------------|------------------------------|-------------------|--------------|
| Farmer Scientist Interaction     | Interact with farmers | 05-06 Aug 2024               | ATMA              | 30000        |

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

| Name of the programme/<br>scheme | Purpose of programme | Date/ Month of<br>initiation | Funding<br>agency | Amount (Rs.) |
|----------------------------------|----------------------|------------------------------|-------------------|--------------|
| -                                | -                    | -                            | -                 | -            |

**6. PERFORMANCE INDICATORS**

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

| Sl.<br>No. | Name of<br>demo Unit  | Year<br>of<br>estt. | Area<br>(Sq.mt) | Details of production |                                                                                                              |           | Amount (Rs.)         |                 | Remarks |
|------------|-----------------------|---------------------|-----------------|-----------------------|--------------------------------------------------------------------------------------------------------------|-----------|----------------------|-----------------|---------|
|            |                       |                     |                 | Variety/breed         | Produce                                                                                                      | Qty.      | Cost<br>of<br>inputs | Gross<br>income |         |
| 1.         | Mushroom              | 2013                | 600             | Oyster mushroom       |                                                                                                              | 100<br>kg | 4000                 | 12000           |         |
| 2.         | Fruit<br>preservation | 2013                | 24              | -                     | -                                                                                                            | -         | -                    | -               |         |
| 3.         | Technology<br>park    | 2019                | 3654            | -                     | Cereals,<br>vegetables,<br>pulses,<br>flowers,<br>medicinal<br>and<br>aromatic<br>plants,<br>fodder<br>crops | -         | -                    | -               |         |
|            | Total                 |                     |                 |                       |                                                                                                              |           |                      |                 |         |

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

| Name<br>Of the crop | Date of<br>sowing | Date of<br>harvest | Area<br>(ha) | Details of production |                    |         | Amount (Rs.)         |                 | Rema<br>rks |
|---------------------|-------------------|--------------------|--------------|-----------------------|--------------------|---------|----------------------|-----------------|-------------|
|                     |                   |                    |              | Variety               | Type of<br>Produce | Qty.(q) | Cost<br>of<br>inputs | Gross<br>income |             |
| Paddy               | 12.07.2024        | 10.11.2024         | 5.0          | Rajshree              | FS                 | 102.40  | -                    | -               |             |
| Millets             | 15.07.2024        | 05.11.2024         | 1.0          | Rajendra<br>madua 1   | FS                 | 3.20    |                      |                 |             |

|            |             |               |     |                             |    |      |   |   |  |
|------------|-------------|---------------|-----|-----------------------------|----|------|---|---|--|
| Pigeon pea | 21.07.22    | Crop standing | 1.0 | R. Arhar 1                  | CS | 12.0 | - | - |  |
| Dhaincha   | 12..07.2024 | 21.11.2024    | 1.0 | -                           | FS | -    |   |   |  |
| Wheat      | 27.11.2024  | Crop standing | 4.0 | WB-02                       | FS |      | - | - |  |
| Rai        | 28.10.2024  | Crop standing | 1.0 | R.Suflam                    | TL |      | - | - |  |
| Potato     | 22.10.2024  | Crop standing | 0.7 | (Kufri Sindhuri, K.chipsona | FS |      | - | - |  |
|            |             |               |     |                             |    |      |   |   |  |
|            |             |               |     |                             |    |      |   |   |  |

### 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.      | Vermicompost        | 4000      | 15000          | 40000        | Used in farm, crop cafeteria, nutrition garden, nursery |

### 6.4. Performance of Instructional Farm (livestock and fisheries production)

| Sl. No | Name of the animal / bird / aquatics | Details of production |                 |         | Amount (Rs.)   |              | Remarks |
|--------|--------------------------------------|-----------------------|-----------------|---------|----------------|--------------|---------|
|        |                                      | Breed                 | Type of Produce | Qty.    | Cost of inputs | Gross income |         |
| 1.     | Bull                                 | Jersey                | Cattle dung     | 24-30 t | -              | -            |         |

### 6.5. Performance of Automatic Weather Station in KVK

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

### 6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

### 6.5. Utilization of staff quarters

- Whether staff quarters has been completed: Yes but needs renovation
- No. of staff quarters: 06
- Date of completion: 2009
- Occupancy details:

| Months                          | Q I                                                                       | Q II | Q III | Q IV | Q V | Q VI |
|---------------------------------|---------------------------------------------------------------------------|------|-------|------|-----|------|
| <u>January to December 2024</u> | <u>QI is occupied and other 5 quarters are empty and needs renovation</u> |      |       |      |     |      |

| Months | Q I | QII | Q III | QIV | Q V | QVI |
|--------|-----|-----|-------|-----|-----|-----|
|        |     |     |       |     |     |     |
|        |     |     |       |     |     |     |
|        |     |     |       |     |     |     |
|        |     |     |       |     |     |     |

## 7. FINANCIAL PERFORMANCE

### 7.1. Details of KVK Bank accounts

| Bank account             | Name of the bank    | Location | Account Number |
|--------------------------|---------------------|----------|----------------|
| KVK Current              | Indian Bank         | Manjhi   | 20928184086    |
| KVK Revolving (Saving)   | Indian Bank         | Manjhi   | 20928304406    |
| KVK Seed Hub (Saving)    | Indian Bank         | Manjhi   | 50409575779    |
| Natural Farming (Saving) | State Bank of India | Daudpur  | 42086780408    |
| CFLD Pulses (Saving)     | State Bank of India | Daudpur  | 42372292485    |
| CFLD Oilseed (Saving)    | State Bank of India | Daudpur  | 42372295838    |

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

| Item         | Released by ICAR |           | Expenditure |               | Unspent balance as on 31/03/2024 |
|--------------|------------------|-----------|-------------|---------------|----------------------------------|
|              | Kharif           | Rabi      | Kharif      | Rabi          |                                  |
| Mustard      | -                | 57,530.00 | -           | 64,060.00     | (-) 6,530.00                     |
| Sesame       | 70,830.00        |           | 18,870.00   |               | 51,960.00                        |
| Linseed      | -                | 10,204.00 | -           | 25,985.00     | (-) 15,981.00                    |
| Sunflower    | -                | 0         | -           | 34,349.00     | (-) 34,349.00                    |
| <b>TOTAL</b> |                  |           |             | <b>120755</b> | <b>-120755.00</b>                |

### 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> April 2024 |
|---------------|------------------|------|-------------|----------|--------------------------------------------------|
|               | Kharif           | Rabi | Kharif      | Rabi     |                                                  |
| <b>Lentil</b> | -                | 0    | -           | 65800.00 | (-) 3,358.00                                     |
|               |                  |      |             |          |                                                  |

### 7.4. Utilization of KVK funds during the year 2024 (Not audited)

| Sl. No.                    | Particulars          | Sanctioned     | Released       | Expenditure    |
|----------------------------|----------------------|----------------|----------------|----------------|
| A. Recurring Contingencies |                      |                |                |                |
| 1                          | Pay & Allowances     | 1,30,88,962.00 | 1,30,88,962.00 | 1,30,46,400.00 |
| 2. A                       | Traveling allowances | 90,000.00      | 10,92,000.00   | 1,12,244.00    |
| B                          | HRD                  | 30,000.00      |                | 6,256.00       |
| C                          | Office               | 3,95,982.00    |                | 3,95,483.00    |
| D                          | Training             | 7,40,000.00    |                | 5,56,254.00    |
| E                          | FLD                  |                |                |                |

|                                       |                         |                       |                       |                       |
|---------------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|
| <i>F</i>                              | OFT                     |                       |                       |                       |
| <i>G</i>                              | Soil and water testing  |                       |                       |                       |
| <i>H</i>                              | Maintenance             |                       |                       |                       |
| <i>I</i>                              | Extension activities    |                       |                       |                       |
| <i>J</i>                              | Swachhta Expenditure    |                       |                       |                       |
| <b>TOTAL (A)</b>                      |                         | <b>1,43,44,944.00</b> | <b>1,41,80,962.00</b> | <b>1,41,16,637.00</b> |
| <b>B. Non-Recurring Contingencies</b> |                         |                       |                       |                       |
| 1                                     | Works                   | 0                     | 0                     | 0                     |
| 2                                     | Vehicle                 | 9,00,000.00           | 9,00,000.00           | 9,00,000.00           |
| 3                                     | Equipment and Furniture | 0                     | 0                     | 0                     |
| 4                                     | Library                 | 0                     | 0                     | 0                     |
| 5                                     | IT                      | 70,000.00             | 70,000.00             | 69,100.00             |
| <b>TOTAL (B)</b>                      |                         | <b>9,70,000.00</b>    | <b>9,70,000.00</b>    | <b>9,69,100.00</b>    |
| <b>C. REVOLVING FUND</b>              |                         | <b>0</b>              | <b>0</b>              | <b>0</b>              |
| <b>GRAND TOTAL (A+B+C)</b>            |                         | <b>1,52,51,944.00</b> | <b>1,50,87,962.00</b> | <b>1,50,85,737.00</b> |

#### 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) |
|---------|---------------------------------------------|------------------------|-----------------------------|----------------------------------------------------------------------------|
| 2021-22 | 656064                                      | 2824324                | 1951424                     | 1528964/-                                                                  |
| 2022-23 | 1528964                                     | 1035744                | 1725637                     | 839071/-                                                                   |
| 2023-24 | 1151840                                     | 961057                 | 1252226                     | Cash : 860671/- and Kind : 943000/-                                        |
| 2024-25 | 14,11,773.45                                | 10,65,325.00           | 16,96,422.00                | 7,80,676.00 (31.12.2024)                                                   |

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 activities | Season        | With line department | With ATMA | With both |
|-----------------------|----------------------|---------------|----------------------|-----------|-----------|
| Rabi & Kharif Abhiyan | 25                   | Rabi & Kharif | Y                    | Y         | Y         |
| Farmers training      | 15                   | Rabi & Kharif | Y                    | Y         | Y         |

#### 7.8 Revenue generation

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

#### 7.9 Resource Generation

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

## 8. MISCELLANEOUS 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) |
|---------------------|----------|------------------|-----------------------|------------------|--------------------------------------------|
| Anthrachnose        | Mango    | 11.04.2024       | 35                    | 25               | Spray of Methyl thiophenate                |
| False smut          | Paddy    | 18.09.2024       | 94                    | 19               | Spray of copper oxychloride                |
| Wilt                | Chickpea | 09.12.2024       | 82                    | 35               | Spray of copper oxychloride                |
| Late blight         | Potato   | 05.01.2024       | 38                    | 21               | Spray of Dithane M-45                      |

### 8.2. Prevalent diseases in Livestock/Fishery

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

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

### 8.4 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  | Chairman ZilaPanchayat | Distt. Collector/DM | Bank Officials | Farmers | Officials, PRI members | Total |                                   |                                     |
| -                 | -                                             | -                                                     | -                            | -                  | -                      | -                   | -              | -       | -                      | -     | -                                 | -                                   |

### 8.5. Vikisit Viksit Bharat Sanklap Yatra

| Sl. | No of events attended | No. of Gram Panchayat covered | Total no of farmer participated | No of Lecture Delivered on Soil Health/ Natural Farming |
|-----|-----------------------|-------------------------------|---------------------------------|---------------------------------------------------------|
| 1   | 35                    | 126                           | 73480                           | 378                                                     |

### 8.6. 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 |
|-------------------|---------------------------|-----------------|--------------------------------|-----------------------------|---------------------------------------------------|
| Bihar             | Saran/ KVK, Manjhi, Saran | Contingent plan | Awareness programme- 10 nos.   | 340                         | Annexed below                                     |

**Sowing window for 5 major field crops**

| Sowing window    | Rice                                                         | Maize                                                                | Pigeonpea                                                    | Wheat                                                                | Rapeseed and mustard                                                 |
|------------------|--------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| Kharif-Rainfed   |                                                              | 1 <sup>st</sup> week of June to 4 <sup>th</sup> week of June         | 3 <sup>rd</sup> week of June to 1 <sup>st</sup> week of July |                                                                      |                                                                      |
| Kharif-Irrigated | 1 <sup>st</sup> week of June to 1 <sup>st</sup> week of July |                                                                      |                                                              |                                                                      |                                                                      |
| Rabi-Rainfed     |                                                              | 3 <sup>rd</sup> week of October to 4 <sup>th</sup> week of November  |                                                              | 3 <sup>rd</sup> week of October to 1 <sup>st</sup> week of November  |                                                                      |
| Rabi-Irrigated   |                                                              | 1 <sup>st</sup> week of November to 1 <sup>st</sup> week of December |                                                              | 2 <sup>nd</sup> week of November to 1 <sup>st</sup> week of December | 3 <sup>rd</sup> week of September to 2 <sup>nd</sup> week of October |

**Prone to major contingency of the district (Tick mark)**

| Major contingency          | Regular | Occasional | None |
|----------------------------|---------|------------|------|
| Drought                    | √       |            |      |
| Flood                      | √       |            |      |
| Cyclone                    |         |            | √    |
| Hail storm                 |         |            | √    |
| Heat wave                  | √       |            |      |
| Cold wave                  | √       |            |      |
| Frost                      |         | √          |      |
| Sea water intrusion        |         |            | √    |
| Pests and disease outbreak |         | √          |      |

**Average value of soil health parameters (pH, EC, OC & Macronutrients) of different Blocks of Saran District:**

| Sr. No. | Name of Blocks | pH   | EC (ds/m) | OC (%) | Macro Nutrients |                                       |                          |           |
|---------|----------------|------|-----------|--------|-----------------|---------------------------------------|--------------------------|-----------|
|         |                |      |           |        | N (kg/ha)       | P <sub>2</sub> O <sub>5</sub> (kg/ha) | K <sub>2</sub> O (kg/ha) | S (kg/ha) |
| 1.      | Maker          | 8.01 | 0.89      | 0.31   | 225.50          | 29.60                                 | 186.65                   | 19.50     |
| 2.      | Amour          | 8.36 | 0.60      | 0.39   | 191.10          | 26.50                                 | 178.10                   | 26.40     |
| 3.      | Marhaura       | 8.33 | 0.42      | 0.46   | 221.60          | 32.60                                 | 164.16                   | 19.60     |
| 4.      | Nagra          | 8.04 | 0.70      | 0.33   | 182.40          | 21.50                                 | 115.30                   | 19.46     |
| 5.      | Garkha         | 8.14 | 0.49      | 0.41   | 220.40          | 28.40                                 | 174.50                   | 19.29     |
| 6.      | Chhapra        | 8.15 | 0.53      | 0.51   | 221.50          | 26.40                                 | 163.15                   | 21.53     |
| 7.      | Parsa          | 8.14 | 0.98      | 0.45   | 231.90          | 29.70                                 | 145.60                   | 22.28     |
| 8.      | Rivilganj      | 7.59 | 0.39      | 0.41   | 216.40          | 31.40                                 | 186.42                   | 20.33     |
| 9.      | Manjhi         | 7.74 | 0.47      | 0.51   | 236.30          | 36.10                                 | 175.89                   | 21.40     |
| 10.     | Ekma           | 7.88 | 0.59      | 0.55   | 261.80          | 29.40                                 | 165.03                   | 29.60     |

|     |           |      |      |      |        |       |        |       |
|-----|-----------|------|------|------|--------|-------|--------|-------|
| 11. | Masharakh | 7.91 | 0.54 | 0.42 | 230.10 | 22.50 | 182.85 | 28.50 |
| 12. | Lahladpur | 7.99 | 0.76 | 0.49 | 251.40 | 21.40 | 149.88 | 21.40 |
| 13. | Baniyapur | 8.02 | 0.62 | 0.39 | 219.60 | 19.80 | 169.01 | 26.30 |
| 14. | Panapur   | 8.26 | 0.84 | 0.32 | 221.30 | 21.50 | 159.60 | 19.60 |
| 15. | Taraiya   | 8.28 | 0.65 | 0.34 | 226.90 | 20.40 | 166.42 | 27.60 |
| 16. | Jalalpur  | 8.05 | 0.48 | 0.55 | 251.20 | 19.70 | 165.50 | 21.20 |
| 17. | Dariyapur | 7.88 | 0.53 | 0.44 | 235.60 | 22.40 | 155.60 | 23.60 |
| 18. | Sonepur   | 7.70 | 0.58 | 0.35 | 245.80 | 29.70 | 172.12 | 21.25 |
| 19. | Ishuapur  | 8.12 | 0.38 | 0.40 | 216.50 | 24.50 | 169.50 | 27.81 |
| 20. | Dighawara | 8.52 | 0.41 | 0.29 | 196.50 | 23.60 | 156.40 | 26.50 |

**Average value of soil health parameters (Micronutrients) of different Blocks of Saran District:**

| Sr. No. | Name of Blocks | Micro Nutrients (mg/kg) |      |       |      |      |
|---------|----------------|-------------------------|------|-------|------|------|
|         |                | Zn                      | Cu   | Fe    | Mn   | B    |
| 1.      | Maker          | 0.45                    | 2.87 | 14.66 | 7.34 | 0.47 |
| 2.      | Amour          | 0.56                    | 3.06 | 15.37 | 5.19 | 0.52 |
| 3.      | Marhaura       | 0.62                    | 3.45 | 14.86 | 6.22 | 0.58 |
| 4.      | Nagra          | 0.42                    | 2.77 | 19.98 | 7.33 | 0.58 |
| 5.      | Garkha         | 0.74                    | 1.79 | 12.6  | 3.62 | 0.6  |
| 6.      | Chhapra        | 0.65                    | 3.45 | 19.77 | 4.8  | 0.52 |
| 7.      | Parsa          | 0.38                    | 1.93 | 14.19 | 5.38 | 0.59 |
| 8.      | Reevilganj     | 0.41                    | 3.47 | 17.3  | 5.61 | 0.76 |
| 9.      | Manjhi         | 0.39                    | 2.15 | 14.32 | 4.85 | 0.67 |
| 10.     | Ekma           | 0.51                    | 1.69 | 13.32 | 7.42 | 0.71 |
| 11.     | Masharakh      | 0.69                    | 1.32 | 15.65 | 6.21 | 0.57 |
| 12.     | Lahladpur      | 0.78                    | 2.11 | 11.4  | 6.17 | 0.66 |
| 13.     | Baniyapur      | 0.69                    | 2.58 | 12.62 | 6.61 | 0.6  |
| 14.     | Panapur        | 0.71                    | 1.21 | 12.94 | 4.5  | 0.61 |
| 15.     | Taraiya        | 0.64                    | 1.08 | 11.64 | 3.65 | 0.47 |
| 16.     | Jalalpur       | 0.62                    | 1.43 | 11.98 | 2.8  | 0.58 |
| 17.     | Dariyapur      | 0.76                    | 1.64 | 22.46 | 4.68 | 0.57 |
| 18.     | Sonepur        | 0.71                    | 1.62 | 19.39 | 6.67 | 0.58 |
| 19.     | Ishuapur       | 0.39                    | 2.69 | 9.44  | 5.14 | 0.86 |
| 20.     | Dighawara      | 0.41                    | 2.04 | 11.9  | 3.98 | 0.49 |

**Climate Variability Challenges:**

| Historical trends in rainfall | Decadal average |         |         |
|-------------------------------|-----------------|---------|---------|
|                               | 1990-2000       | 2000-10 | 2010-20 |

|                                               |                          |      |      |      |
|-----------------------------------------------|--------------------------|------|------|------|
| <b>No. of rainy days</b>                      |                          | 55.3 | 43.2 | 54.8 |
| <b>No. of dry spells during kharif season</b> | <b>&gt;10days</b>        | 3.4  | 4    | 5.1  |
|                                               | <b>&gt;15days</b>        | 1.2  | 1.4  | 1.8  |
|                                               | <b>&gt;20days</b>        | 1    | 1    | 0.8  |
| <b>No. of intensive rain spells</b>           | <b>&gt;60 mm per day</b> | 3    | 1    | 2.4  |

The different strategies for weather related contingent plan for drought, rainfed, unusual rain, outbreak of pest and diseases, floods, extreme variables including heat/cold waves/hailstorm/ cyclone etc. for agricultural crops and livestock including poultry have been prepared by the KVK team and submitted to DRPCAUI, Pusa for onward submission to ICAR-CRIDA, Hyderabad for uploading.

#### 8.7 Information on Visit of VIP/Ministers/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners/other Dignitaries to KVKs, if any

| Date of Visit | Name of Hon'ble Minister/MPs/ <b>MLA</b> | Name of Ministry | Salient points in his/ her observation (2-3 bulleted points)                                                                                                                 |
|---------------|------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28.9.2024     | Dr. Satyendra Yadav                      | -                | Awareness and Adaptation of new technology in agriculture<br>Use of pure seeds and planting materials<br>Aware about the serious pest and disease<br>Training/exposure visit |

#### 8.8 Details of Scientific Advisory Committee (SAC) Meetings

| Date | No of participants | Total statutory members present (sate line department) | Salient recommendations | Action Taken | If not, State reason  |
|------|--------------------|--------------------------------------------------------|-------------------------|--------------|-----------------------|
| -    | -                  | -                                                      | -                       | -            | Administrative reason |

\*Salient recommendations of SAC in bullet points      NA

Details of other meeting related to ATARI

| Date | Type of Meeting | Agenda | Representative from ATARI |
|------|-----------------|--------|---------------------------|
|      | -               | -      | -                         |
|      | -               | -      | -                         |
|      | -               | -      | -                         |
|      | -               | -      | -                         |
|      | -               | -      | -                         |

#### 9. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

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

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

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

## 11 PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

### 11.1. Details of Cereal Systems Initiative for South Asia (CSISA)

| Se<br>as<br>on | Vill<br>age<br>Co<br>ver<br>ed<br>(no<br>.) | Block<br>Co<br>ver<br>ed<br>(no<br>.) | Dis<br>tric<br>t<br>Co<br>ver<br>ed<br>(No<br>.) | Resp<br>onde<br>nt<br>(no.) | Tr<br>ial<br>N<br>a<br>m<br>e | Ar<br>ea<br>cov<br>ere<br>d<br>(ha<br>) | N<br>a<br>m<br>e<br>of<br>Cr<br>op | Tech<br>nolo<br>gy<br>Opti<br>ons | Va<br>riet<br>y<br>na<br>me | Dur<br>atio<br>n<br>(Da<br>ys) | So<br>wi<br>ng<br>dat<br>e | Harv<br>estin<br>g<br>date | Da<br>ys<br>of<br>Mat<br>urit<br>y | Gr<br>ai<br>n<br>Yi<br>el<br>d<br>(q<br>/h<br>a) | Cost<br>of<br>culti<br>vati<br>on<br>(Rs/<br>ha) | Gr<br>oss<br>ret<br>urn<br>(R<br>s/h<br>a) | Ne<br>t<br>Re<br>tur<br>n<br>(R<br>s/h<br>a) | B<br>C<br>R |
|----------------|---------------------------------------------|---------------------------------------|--------------------------------------------------|-----------------------------|-------------------------------|-----------------------------------------|------------------------------------|-----------------------------------|-----------------------------|--------------------------------|----------------------------|----------------------------|------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------|-------------|
| -              | -                                           | -                                     | -                                                | -                           | -                             | -                                       | -                                  | -                                 | -                           | -                              | -                          | -                          | -                                  | -                                                | -                                                | -                                          | -                                            | -           |
| -              | -                                           | -                                     | -                                                | -                           | -                             | -                                       | -                                  | -                                 | -                           | -                              | -                          | -                          | -                                  | -                                                | -                                                | -                                          | -                                            | -           |

### 11.2 Details of Tribal Sub Plan (TSP)

#### a. Achievements of physical output under TSP

| Sl. | Activities                                                                                                                                                | Physical Achievement   |                      |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|
| 1)  | Trainings                                                                                                                                                 | No. of Trainings/Demos | No. of beneficiaries |
| a.  | Farmer                                                                                                                                                    | -                      | -                    |
| b.  | Women                                                                                                                                                     | -                      | -                    |
| c.  | Rural Youths                                                                                                                                              | -                      | -                    |
| d.  | Extension Personnel                                                                                                                                       | -                      | -                    |
| 2)  | OFT                                                                                                                                                       | No. of OFTs            | No. of beneficiaries |
| 3)  | FLD                                                                                                                                                       | No. of FLDs            | No. of beneficiaries |
| 4)  | Mobile agro- advisory to farmers                                                                                                                          | No. of advisory        | No. of beneficiaries |
| 5)  | Other activities                                                                                                                                          |                        |                      |
| a.  | Participants in extension activities (No.)                                                                                                                | -                      |                      |
| b.  | Production of seed (q)                                                                                                                                    | -                      |                      |
| c.  | Production of Planting material (No. in lakh)                                                                                                             | -                      |                      |
| d.  | Production of Livestock strains (No. in lakh)                                                                                                             | -                      |                      |
| e.  | Production of fingerlings (No. in lakh)                                                                                                                   | -                      |                      |
| f.  | Testing of Soil, water, plant, manures samples (Nos.)                                                                                                     | -                      |                      |
| g.  | Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)                                                                                      | -                      |                      |
| h.  | No. of other programmes oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.) | -                      |                      |

b. Fund received under TSP in 2024-25 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2024

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

d. Location and Beneficiary Details during 2024

| District | Sub-district | No. of Village covered | Name of village(s) covered | ST population benefitted (No.) |   |   |
|----------|--------------|------------------------|----------------------------|--------------------------------|---|---|
|          |              |                        |                            | M                              | F | T |
| -        | -            | -                      | -                          | -                              | - | - |

### 11.3. Details of Scheduled Caste Sub Plan (SCSP)

| Sl. | Activities                                            | Physical Achievement   |                      |
|-----|-------------------------------------------------------|------------------------|----------------------|
|     |                                                       | No. of Trainings/Demos | No. of beneficiaries |
| 1)  | Trainings                                             |                        |                      |
| a.  | Farmer                                                | 2                      | 65                   |
| b.  | Women                                                 | 1                      | 25                   |
| c.  | Rural Youths                                          | 1                      | 35                   |
| d.  | Extension Personnel                                   | 0                      | 0                    |
| 2)  | OFT                                                   | No. of OFTs            | No. of beneficiaries |
|     |                                                       | -                      | -                    |
| 3)  | FLD                                                   | No. of FLDs            | No. of beneficiaries |
|     | High Yielding variety of Papaya (var. Red Lady)       | 1                      | 20                   |
|     | Throught year production of moringa (PKM1)            | 1                      | 20                   |
|     | High yielding variety Tof cole crop                   | 1                      | 50                   |
|     | Crop diversification through cucurbitaceous crop      | 1                      | 50                   |
| 4)  | Mobile agro- advisory to farmers                      | 36                     | 325                  |
| 5)  | Other activities                                      |                        |                      |
| a.  | Participants in extension activities (No.)            | 141                    |                      |
| b.  | Production of seed (q)                                | -                      |                      |
| c.  | Production of Planting material (No. in lakh)         | -                      |                      |
| d.  | Production of Livestock strains (No. in lakh)         | -                      |                      |
| e.  | Production of fingerlings (No. in lakh)               | -                      |                      |
| f.  | Testing of Soil, water, plant, manures samples (Nos.) | -                      |                      |

### 11.4. NICRA (Technology Demonstration component)

Overall achievements

## Performances of demonstration of in-situ moisture conservation technologies

[illegible][illegible]

| FST type | Crop / season<br>(name) | Technology demonstrated | No. of<br>farmers | Area<br>(ha)/<br>Unit | Yield (q/<br>ha) | Economics of demonstration<br>(Rs/ha) |               |     |
|----------|-------------------------|-------------------------|-------------------|-----------------------|------------------|---------------------------------------|---------------|-----|
|          |                         |                         |                   |                       |                  | Gross<br>Cost                         | Net<br>Return | BCR |
| -        | -                       | -                       | -                 | -                     | -                | -                                     | -             |     |
| -        | -                       | -                       | -                 | -                     | -                | -                                     | -             |     |
| -        | -                       | -                       | -                 | -                     | -                | -                                     | -             |     |

## Performances of water harvesting and recycling for supplemental irrigation

[illegible]

## Performance of ZTD in various crops

[illegible]

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

**Performance of artificial groundwater recharge technologies demonstrated**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/ Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|-----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                 |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |

**Performance of different water saving irrigation methods**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/ Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|-----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                 |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |

**Rainwater harvesting structures developed**

| New (Nos.) | Renovated (Nos.) | Total | Storage capacity (cu m) | Protective irrigation potential (ha) | Cropping Intensity (%) increase |
|------------|------------------|-------|-------------------------|--------------------------------------|---------------------------------|
| -          | -                | -     | -                       | -                                    | -                               |
| -          | -                | -     | -                       | -                                    | -                               |
| -          | -                | -     | -                       | -                                    | -                               |

**Performance of different drought tolerant varieties**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/ Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|-----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                 |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |

**Performance of different short duration rice varieties**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/ Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|-----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                 |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -               | -            | -                                  | -          | -   |

**Performance of different flood tolerant varieties**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/ Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|-----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                 |              | Gross Cost                         | Net Return | BCR |
|          |                      |                         |                |                 |              |                                    |            |     |

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

[illegible][illegible]

| FST type | Crop / season<br>(name) | Fodder quantity (dry/<br>green) utilized for<br>livestock | No.of<br>farmers | Area(ha)/Unit | Yield<br>(q/ha)) | % of reduced fodder<br>purchase from outside |
|----------|-------------------------|-----------------------------------------------------------|------------------|---------------|------------------|----------------------------------------------|
| -        | -                       | -                                                         | -                | -             | -                | -                                            |
| -        | -                       | -                                                         | -                | -             | -                | -                                            |
| -        | -                       | -                                                         | -                | -             | -                | -                                            |
| -        | -                       | -                                                         | -                | -             | -                | -                                            |

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha) | Coverage area (ha) | Economics of demonstration (Rs/ha) |                 |     |
|----------|----------------------|-------------------------|----------------|-----------|--------------------|------------------------------------|-----------------|-----|
|          |                      |                         |                |           |                    | CoC of nursery                     | NR from nursery | BCR |
|          | Ragi                 | -                       | -              | -         | -                  | -                                  | -               | -   |
|          | Paddy                | -                       | -              | -         | -                  | -                                  | -               | -   |
|          | Vegetable (name)     | -                       | -              | -         | -                  | -                                  | -               | -   |
|          | Other                | -                       | -              | -         | -                  | -                                  | -               | -   |

CoC: Cost of cultivation (Rs.); NR: Net return (Rs.); BCR: Benefit cost ratio

[illegible]

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

**Performance of different crop diversification in NICRA villages**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha) | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|-----------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |           |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -         | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -         | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -         | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -         | -            | -                                  | -          | -   |

**Performance of other demonstration**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |

**Performance of different fodder demonstration in community lands**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |

**Performance of improved fodder**

| FST type | Crop / season (name) | Technology demonstrated | No. of farmers | Area (ha)/Unit | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|----------|----------------------|-------------------------|----------------|----------------|--------------|------------------------------------|------------|-----|
|          |                      |                         |                |                |              | Gross Cost                         | Net Return | BCR |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |
| -        | -                    | -                       | -              | -              | -            | -                                  | -          | -   |

**Performance of various vaccination camps organized**

| FST | Type of animal and Month | Technology demonstrated | No. of farmers covered | No. of animal covered |                |        |       |
|-----|--------------------------|-------------------------|------------------------|-----------------------|----------------|--------|-------|
|     |                          |                         |                        |                       | Less 1 yr calf | Heifer | Adult |
| -   | -                        | FMD                     | -                      | -                     | -              | -      | -     |
| -   | -                        | HS                      | -                      | -                     | -              | -      | -     |
| -   | -                        | BQ                      | -                      | -                     | -              | -      | -     |

**For Goat/ sheep/ pig**

| FST | Type of animal and Month | Technology demonstrated | No. of farmers covered | No. of animal covered |     |      |     |
|-----|--------------------------|-------------------------|------------------------|-----------------------|-----|------|-----|
|     |                          |                         |                        |                       | Kid | Buck | Doe |
|     |                          | PPR                     | -                      | -                     | -   | -    | -   |

|  |  |            |   |   |   |   |   |
|--|--|------------|---|---|---|---|---|
|  |  | Swine flue | - | - | - | - | - |
|  |  | FMD        | - | - | - | - | - |

### For poultry

| FST | Type of animal and Month | Technology demonstrated | No.of farmers covered | No.of animal covered | No. of birds covered |                               |            |
|-----|--------------------------|-------------------------|-----------------------|----------------------|----------------------|-------------------------------|------------|
|     |                          |                         |                       |                      | Chick (<9 weeks)     | Growin g chickens (9-20 week) | > 20 weeks |
|     |                          | Ranikhet disease        | -                     | -                    | -                    | -                             | -          |
|     |                          | Bird flu                | -                     | -                    | -                    | -                             | -          |
|     |                          |                         | -                     | -                    | -                    | -                             | -          |

### Performance of fish in the ponds/ water bodies

[illegible]

### Performance of livestock demonstration in NICRA adopted villages (Buffalo/ Cow)

| FST type | Animal /<br>season (name) | Technologydemonstrated | No.of<br>farmers | No. of<br>animals/<br>unit | Milk<br>yield<br>(liters/<br>lactation) | Economicsofdemonstration(Rs/ha) |           |     |
|----------|---------------------------|------------------------|------------------|----------------------------|-----------------------------------------|---------------------------------|-----------|-----|
|          |                           |                        |                  |                            |                                         | GrossCost                       | NetReturn | BCR |
| -        | -                         | -                      | -                | -                          | -                                       | -                               | -         | -   |
| -        | -                         | -                      | -                | -                          | -                                       | -                               | -         | -   |
| -        | -                         | -                      | -                | -                          | -                                       | -                               | -         | -   |

### Performance of livestock demonstration in NICRA adopted villages (Goat/ sheep/ Pig)

[illegible]

### Performance of livestock demonstration in NICRA adopted villages (poultry)

[illegible]

**Performance of improved shelters for poultry and dairy animals**

| FST | Technology demonstrated | No. of farmers | Demo. Unit size (No.) | Survival rate |       | % Increase in survival | Economics (Rs. /ha) |              |            |     |
|-----|-------------------------|----------------|-----------------------|---------------|-------|------------------------|---------------------|--------------|------------|-----|
|     |                         |                |                       | Demo          | Local |                        | Gross Cost          | Gross Return | Net Return | BCR |
| -   | -                       | -              | -                     | -             | -     | -                      | -                   | -            | -          | -   |
| -   | -                       | -              | -                     | -             | -     | -                      | -                   | -            | -          | -   |
| -   | -                       | -              | -                     | -             | -     | -                      | -                   | -            | -          | -   |
| -   | -                       | -              | -                     | -             | -     | -                      | -                   | -            | -          | -   |

**INSTITUTIONAL INTERVENTION**

| Name Of KVK | Seed bank         |                 | Fodder bank              |                 |
|-------------|-------------------|-----------------|--------------------------|-----------------|
|             | Crop with variety | Quantity in (q) | Fodder crop with variety | Quantity in (q) |
| -           | -                 | -               | -                        | -               |
| -           | -                 | -               | -                        | -               |
| -           | -                 | -               | -                        | -               |
| -           | -                 | -               | -                        | -               |
| -           | -                 | -               | -                        | -               |
| -           | -                 | -               | -                        | -               |

**Revenue generated through Custom Hiring Centres and VCRMC in KVKs**

| Name of KVK | Revenue Generated(Rs.)               |                   |
|-------------|--------------------------------------|-------------------|
|             | From Custom Hiring Centres (2022-23) | Total under VCRMC |
| -           | -                                    | -                 |
| -           | -                                    | -                 |
| -           | -                                    | -                 |
| -           | -                                    | -                 |

**Extension Activities**

| Name of the activity | Number of Programmes | No.of beneficiaries |        |       |
|----------------------|----------------------|---------------------|--------|-------|
|                      |                      | Male                | Female | Total |
| -                    | -                    | -                   | -      | -     |
| -                    | -                    | -                   | -      | -     |
| -                    | -                    | -                   | -      | -     |

**Soil Health Card prepared and distributed**

| KVK | No.of soil samples collected | No.of samples analyzed | SHC issued | No.of farmers benefitted |
|-----|------------------------------|------------------------|------------|--------------------------|
| -   | -                            | -                      | -          | -                        |
| -   | -                            | -                      | -          | -                        |
| -   | -                            | -                      | -          | -                        |
| -   | -                            | -                      | -          | -                        |

**Convergence Programme**

| KVK | Development Scheme/Programme | Nature of work | Amount(Rs.) |
|-----|------------------------------|----------------|-------------|
|     | -                            | -              | -           |
|     | -                            | -              | -           |

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

**Dignitaries visited NICRA Villages**

| Name of KVK | Name of VIPs/Experts | Date of visit |
|-------------|----------------------|---------------|
|             | -                    | -             |
|             | -                    |               |
|             | -                    |               |
|             | -                    |               |

**Newspaper Coverage**

**Publication (Research Paper, Book, Technical bulletins Paper presented in national/international seminars etc.)**

**Success Stories (1-2 nos.)**

**Name of PI & Co-PI List**

| Name of KVK | Name of PI | Name Of Co PI |
|-------------|------------|---------------|
| -           | -          | -             |
| -           | -          | -             |
| -           | -          | -             |
| -           | -          | -             |
| -           | -          | -             |

**Table: Capacity development (Training On-campus) organized under TDC-NICRA**

| S. No. | Title of the training course | Period of Training program | Duration | Participant No. |        | Category |     |    |    |
|--------|------------------------------|----------------------------|----------|-----------------|--------|----------|-----|----|----|
|        |                              |                            |          | Male            | Female | General  | OBC | ST | SC |
| -      | -                            | -                          | -        | -               | -      | -        | -   | -  | -  |
| -      | -                            | -                          | -        | -               | -      | -        | -   | -  | -  |

**Table: Capacity development (Training Off-campus) organized under TDC-NICRA**

| S. No. | Title of the training course | Period of Training program | Duration | Participant No. |        | Category |     |    |    |
|--------|------------------------------|----------------------------|----------|-----------------|--------|----------|-----|----|----|
|        |                              |                            |          | Male            | Female | General  | OBC | ST | SC |
| -      | -                            | -                          | -        | -               | -      | -        | -   | -  | -  |
| -      | -                            | -                          | -        | -               | -      | -        | -   | -  | -  |
| -      | -                            | -                          | -        | -               | -      | -        | -   | -  | -  |

**Table: Custom Hiring of Farm-Implement**

| Name of farm implement/equipment | No. of farmers used Implement | Area covered by Farm Implement | Farm Implement used (In Hours) | Revenue generated by Farm Implement (Rs.) | Expenditure incurred on repairing (Rs.) |
|----------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------------------|-----------------------------------------|
| -                                | -                             | -                              | -                              | -                                         | -                                       |
| -                                | -                             | -                              | -                              | -                                         | -                                       |

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

**Table: Village wise VCRMC**

| Village name | VCRMC Constitution date | VCRMC members (no.) |   | Meetings organized by VCRMC (no.) | Date of VCRMC meeting | Name of Secretary | Name of President | Major decision taken |
|--------------|-------------------------|---------------------|---|-----------------------------------|-----------------------|-------------------|-------------------|----------------------|
|              |                         | M                   | F | -                                 | -                     | -                 | -                 | -                    |
| -            | -                       | -                   | - | -                                 | -                     | -                 | -                 | -                    |
| -            | -                       | -                   | - | -                                 | -                     | -                 | -                 | -                    |

**Attachments:** Good quality Photograph

### 11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

| Name of State | Name of district | No. of blocks allocated | No. of FPOs registered as CBBO | Average no. of members per FPO | No. of FPO received Management cost | No. of FPO received Equity Grant | Tech. backstopping provided to no. of FPOs | No. of training programme organized for FPOs for Technology backstopping as CBBO | Training received by FPO members (Y/N) If yes then major area of training | Assistance to no. of FPOs in economic activities | Is Business plan prepared for FPOs as CBBOs | Is Business plan prepared for FPOs as without CBBOs | No. Of FPOs doing business |
|---------------|------------------|-------------------------|--------------------------------|--------------------------------|-------------------------------------|----------------------------------|--------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-----------------------------------------------------|----------------------------|
| -             | -                | -                       | -                              | -                              | -                                   | -                                | -                                          | -                                                                                | -                                                                         | -                                                | -                                           | -                                                   | -                          |

**Details of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with KVK under NCDC funding**

| S.No | Name of the FPO                                       | Address of FPO | Registration No and Date                 | Proposed Activity                                                                                     | Commodity Identified    | Total No. of BOM Members | Total no of farmers attached | Financial position (Rupees in lakh) | Success indicator |
|------|-------------------------------------------------------|----------------|------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|------------------------------|-------------------------------------|-------------------|
| 1    | Manjhi Mandipur Fed. Farmers Producer company Limited | Manjhi         | U01 61 1 BR2023P TC06333 3 & 26 May 2023 | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me | Un-employed Rural youth | 350                      | 350                          | -                                   | -                 |

|  |                                                                |              |                                                                |                                                                                                                                             |                                   |     |     |   |   |
|--|----------------------------------------------------------------|--------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|-----|---|---|
|  |                                                                |              |                                                                | Kausha<br>l vikash<br>karykra<br>m                                                                                                          |                                   |     |     |   |   |
|  | Marhawrah<br>Fed.<br>Farmers<br>Producer<br>company<br>Limited | Marhaur<br>a | U01 61 1<br>BR2023P<br>TC06285<br>8 & 28<br>April<br>2023      | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 370 | 370 | - | - |
|  | MAKER Fed.<br>Farmers<br>Producer<br>Company<br>Limited        | Maker        | U01 61 1<br>BR2023P<br>TC06285<br>7 & 28<br>April<br>2023      | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 337 | 337 | - | - |
|  | Bheldiagro<br>fed<br>Farmers<br>Producer<br>Company<br>Limited | Parsa        | U01 61 1<br>BR2023P<br>TC06502<br>7 & 06<br>Septembe<br>r 2023 | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra      | Un-<br>employed<br>Rural<br>youth | 150 | 150 | - | - |

|  |                                                              |               |                                                        |                                                                                                                                             |                                   |     |     |   |   |
|--|--------------------------------------------------------------|---------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|-----|---|---|
|  |                                                              |               |                                                        | m                                                                                                                                           |                                   |     |     |   |   |
|  | uv apuragro<br>fed Farmers<br>Producer<br>Company<br>Limited | Isuapur       | U01 61 1<br>BR2023P<br>TC0637<br>39 & 1 9<br>June 2023 | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 255 | 255 | - | - |
|  | BIHARKISH<br>AN FED<br>PRODUCER<br>COMPANY<br>LIMITED        | Chhapra       | U01 61 1<br>BR2023P<br>TC06336<br>1 & 28<br>May 2023   | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 300 | 300 | - | - |
|  | DARIYPUR<br>KISHAN<br>FED<br>PRODUCER<br>COMPANT<br>LIMITED  | Dariyap<br>ur | U01 61 1<br>BR2023P<br>TC06441<br>0 & 31<br>July 2023  | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 300 | 300 | - | - |
|  | Jalalpur<br>KISHAN                                           | Jalalpur      | U01 61 1<br>BR2023P                                    | Sabji<br>evan                                                                                                                               | Un-<br>employed                   | 309 | 309 | - | - |

|  |                                                              |               |                                                        |                                                                                                                                             |                                   |     |     |   |   |
|--|--------------------------------------------------------------|---------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|-----|---|---|
|  | FED<br>PRODUCER<br>COMPANT<br>LIMITED                        |               | TC0641<br>22 & 17<br>July 2023                         | Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m                  | Rural<br>youth                    |     |     |   |   |
|  | CHANDRAD<br>IP FED<br>PRODUCER<br>COMPANY<br>LIMITED         | Nagra         | U01 61 1<br>BR2023P<br>TC0637 1<br>5 & 19<br>June 2023 | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 300 | 300 | - | - |
|  | REVELGANJ<br>FED<br>FARMER<br>PRODUCER<br>COMPANY<br>LIMITED | Rivilgan<br>j | U01 61 1<br>BR2023P<br>TC06344<br>4 & 31<br>May 2023   | Sabji<br>evan<br>Dal,<br>Sarson<br>evan<br>Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m | Un-<br>employed<br>Rural<br>youth | 300 | 300 | - | - |
|  | KHARIKA<br>FED<br>PRODUCER<br>COMPANY<br>LIMITED             | Sonpur        | U01 61 1<br>BR2023P<br>TC06436<br>3 & 27<br>July 2023  | Sabji<br>evan<br>Dal,<br>Sarson<br>evan                                                                                                     | Un-<br>employed<br>Rural<br>youth | 300 | 300 | - | - |

|  |  |  |  |                                                                                                  |  |  |  |  |  |
|--|--|--|--|--------------------------------------------------------------------------------------------------|--|--|--|--|--|
|  |  |  |  | Makka,<br>phal,<br>dhan<br>genhu<br>bibhin<br>vergon<br>me<br>Kausha<br>l vikash<br>karykra<br>m |  |  |  |  |  |
|--|--|--|--|--------------------------------------------------------------------------------------------------|--|--|--|--|--|

## 11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

### a. Overall achievement

| No. of Nutri smart village developed | Total Area covered | Total No of OFT organized | Total No. of FLD organized | No. of training/capacity development programme | Total No. of farmers/ beneficiaries | No of Extension programmes | Total No. of farmers/ beneficiaries |
|--------------------------------------|--------------------|---------------------------|----------------------------|------------------------------------------------|-------------------------------------|----------------------------|-------------------------------------|
| -                                    | -                  | -                         | -                          | -                                              | -                                   | -                          | -                                   |

### b. Details of OFT/FLD

| OFT                                                     |                                   |                               |
|---------------------------------------------------------|-----------------------------------|-------------------------------|
| Nutritional Garden                                      | -                                 | -                             |
| Bio-fortified Crops                                     | -                                 | -                             |
| Value addition (in no. of Unit or no. of Enterprise)    | -                                 | -                             |
| Other Enterprises (in no. of Unit or no. of Enterprise) | -                                 | -                             |
|                                                         | Area (ha/ no. of Unit/Enterprise) | No. of farmers/ beneficiaries |
| FLD                                                     |                                   |                               |
| Nutritional Garden                                      | -                                 | -                             |
| Bio-fortified Crops                                     | -                                 | -                             |
| Value addition (in no. of Unit or no. of Enterprise)    | -                                 | -                             |
| Other Enterprises (in no. of Unit or no. of Enterprise) | -                                 | -                             |

### c. Details of established Nutrition Garden in Nutri-Smart village

| Sl.   | Name of Nutri-Smart Village | Type of Nutrition Garden | Number | Area (sqm) | No. of beneficiaries |
|-------|-----------------------------|--------------------------|--------|------------|----------------------|
| 1.    | Dawdpur                     | Backyard/Kitchen garden  | 5      | 1600       | 5                    |
| 2.    | -                           | Community level          | -      | -          | -                    |
| 3.    | -                           | Terrace Garden           | 08     | 800        | 10                   |
| 4.    | Bareja                      | Vertical Garden          | 08     | 1500       | 8                    |
| TOTAL |                             |                          | 21     | 3900       | 23                   |

### d. Details of Bio-fortified crops used in Nutri-Smart village

| Name of Nutri- | Season | Activity | Category of | Name of | Variety | Area | No. of benefi- |
|----------------|--------|----------|-------------|---------|---------|------|----------------|
|----------------|--------|----------|-------------|---------|---------|------|----------------|

| Smart Village |   | (OFT/FLD) | crop (cereal/<br>pulses/oilseed/<br>fruits & veg./<br>others | Crop |   | (ha) | ciaries |
|---------------|---|-----------|--------------------------------------------------------------|------|---|------|---------|
| -             | - | -         | -                                                            | -    | - | -    | -       |

**e. Details of Value addition in Nutri-Smart village**

| Name of Nutri Smart Village | Name of Crop/<br>veg./ fruits/<br>other | Name of Value-<br>added product                       | Activity<br>(OFT/FLD) | No. of farmers/<br>beneficiaries |
|-----------------------------|-----------------------------------------|-------------------------------------------------------|-----------------------|----------------------------------|
| Bareja                      | Mushroom                                | Mushroom<br>nuggets, Achar,<br>Atta,mushroom<br>papad | FLD                   | 12                               |

**f. Training programmes in Nutri-Smart village**

| Name of Nutri Smart Village | Area of Training | No of courses | No. of beneficiaries |
|-----------------------------|------------------|---------------|----------------------|
| Aphaur                      | Vegetables       | 2             | 32                   |
| Babhanaiya, Garkha          | Vegetables       | 2             | 25                   |
| Bareja                      | Vegetables       | 4             | 28                   |

**g. Extension activities under NARI Project**

| Name of Nutri-Smart Village | Title of Activity                                                         | No. of activities | No. of beneficiaries |
|-----------------------------|---------------------------------------------------------------------------|-------------------|----------------------|
| Vishunupura, Jalalpur       | Awareness programme,<br>Field visit                                       | 3                 | 22                   |
| Dumduma, Manjhi             | Diagnostic field visit,<br>training programme on<br>importance of lettuce | 1                 | 15                   |
| Sargatti, Garkha            | Training and Field day                                                    | 1                 | 12                   |
| Fuchati Khurd, Ekma         | Training on cultivation of<br>cole crop                                   | 1                 | 15                   |
| Karah, Baniyapur            | Training on tuber crops,<br>diagnostic field visit                        | 3                 | 25                   |
| Durgapur, Manjhi            | Layout of nutria garden and<br>importance of nutria garden                | 1                 | 15                   |
| Sadar Chhapra, Chhapra      | Layout of nutria garden and<br>importance of nutria garden                | 3                 | 21                   |

### 11.7 Attracting and Retaining Youth in Agriculture (ARYA) N.A.

| Name of Enterprises | No of Skill training conducted (No.) | Name of Training | Duration (Days) | Youth trained (No.) | Established entrepreneurial unit (No.) | No. of Groups Formed for establishment of unit | No. of Members in each Group | No. of Groups active | No. of persons left the group | Total Viable unit (No.) | Average size of each entrepreneurial unit | Total Production /unit / year | Per unit cost of Production (Rs) | Sale value of Produce (Rs.) | Gross Return/Unit/Year (Rs.) | Economic Gain / unit (Rs.) | B: C Ratio | Employment generated / year (manday @ 8 hr/ day) |
|---------------------|--------------------------------------|------------------|-----------------|---------------------|----------------------------------------|------------------------------------------------|------------------------------|----------------------|-------------------------------|-------------------------|-------------------------------------------|-------------------------------|----------------------------------|-----------------------------|------------------------------|----------------------------|------------|--------------------------------------------------|
| -                   | -                                    | -                | -               | -                   | -                                      | -                                              | -                            | -                    | -                             | -                       | -                                         | -                             | -                                | -                           | -                            | -                          | -          | -                                                |
| -                   | -                                    | -                | -               | -                   | -                                      | -                                              | -                            | -                    | -                             | -                       | -                                         | -                             | -                                | -                           | -                            | -                          | -          | -                                                |

### 11.8 Out-scaling of Natural Farming Format

#### Geographical information

|                                              |  |                                    |               |
|----------------------------------------------|--|------------------------------------|---------------|
| Name of State                                |  | Bihar                              |               |
| Name of KVK                                  |  | Saran                              |               |
| Agro Climatic Zone of Village/KVK            |  | Zone-I: North –West Alluvial Plain |               |
| Farming Situation of the Selected Farmer/KVK |  | Latitude (N)                       | Longitude (E) |
|                                              |  | 25.844898                          | 84.591797     |

#### Physical information

| Name of KVK | Name of activity             | No of activities organized | No of participants | Participants (Male) |     |    |    |        |       | Participants (Female) |     |    |    |        |       |
|-------------|------------------------------|----------------------------|--------------------|---------------------|-----|----|----|--------|-------|-----------------------|-----|----|----|--------|-------|
|             |                              |                            |                    | GEN                 | OBC | SC | ST | Others | Total | GEN                   | OBC | SC | ST | Others | Total |
| Saran       | Training                     | 6                          | 412                | 205                 | 92  | 49 | 2  | 0      | 348   | 31                    | 13  | 20 | 0  | 0      | 64    |
|             | Awareness                    | 1                          | 125                | 75                  | 11  | 9  | 0  | 0      | 95    | 12                    | 8   | 10 | 0  | 0      | 30    |
|             | Demonstration                | 8                          | 8                  |                     |     |    |    |        |       |                       |     |    |    |        |       |
|             | Exposure visit at KVK Manjhi | 1                          | 40                 | 5                   | 3   | 0  | 0  | 29     | 8     | 2                     | 1   | 0  | 0  | 11     | 40    |

**Training information**

| Training Information                         |                  |                         |                     |     |    |    |        |       |                       |     |    |    |        |       |    |                                                                                                                                           |
|----------------------------------------------|------------------|-------------------------|---------------------|-----|----|----|--------|-------|-----------------------|-----|----|----|--------|-------|----|-------------------------------------------------------------------------------------------------------------------------------------------|
| Title of Natural Farming training Programme  | Date of Training | Venue of programme      | Participants (Male) |     |    |    |        |       | Participants (Female) |     |    |    |        |       |    | Remarks/ Observation/Feedback Recorded                                                                                                    |
|                                              |                  |                         | GEN                 | OBC | SC | ST | Others | Total | GEN                   | OBC | SC | ST | Others | Total | GT |                                                                                                                                           |
| Natural farming practice in cereal crops     | 23.09.2024       | KVK Manjhi              | 22                  | 31  | 6  | 0  | 0      | 59    | 1                     | 0   | 0  | 0  | 0      | 1     | 60 | <ul style="list-style-type: none"><li>• Eco-friendly techniques of crop production</li><li>• Low input cost involved in farming</li></ul> |
| Natural farming practice in vegetables crops | 24.09.2024       | Bangra, Manjhi          | 38                  | 1   | 0  | 0  | 0      | 39    | 0                     | 0   | 0  | 0  | 0      | 0     | 39 |                                                                                                                                           |
| Natural farming practice in cereal crops     | 25.09.2024       | Saidupur mathiya, Nagra | 31                  | 15  | 3  | 2  | 0      | 51    | 9                     | 0   | 0  | 0  | 0      | 9     | 60 |                                                                                                                                           |
| Natural farming practice in cereal crops     | 26.09.2024       | Rampur bhatt, Jalalpur  | 6                   | 6   | 26 | 0  | 0      | 38    | 0                     | 3   | 9  | 0  | 0      | 12    | 50 |                                                                                                                                           |
| Natural farming practice in fruits crops     | 27.09.2024       | Karah, Baniyapur        | 12                  | 23  | 2  | 0  | 0      | 37    | 1                     | 0   | 0  | 0  | 0      | 1     | 38 |                                                                                                                                           |
| Natural farming practice in cereal crops     | 09.12.2024       | KVK Manjhi              | 21                  | 5   | 3  | 0  | 0      | 29    | 8                     | 2   | 1  | 0  | 0      | 11    | 40 |                                                                                                                                           |
|                                              |                  |                         |                     |     |    |    |        |       |                       |     |    |    |        |       |    |                                                                                                                                           |

**Awareness programme information**

| Tittle of Natural Farming Awareness programme | Date of Awareness programme | Venue of programme | Participants (Male) |      |    |     |        |       | Participants (Female) |     |    |    |        |       | GT  | Remarks/Observation/Feedback Recorded |
|-----------------------------------------------|-----------------------------|--------------------|---------------------|------|----|-----|--------|-------|-----------------------|-----|----|----|--------|-------|-----|---------------------------------------|
|                                               |                             |                    | GEN                 | OB C | SC | S T | Others | Total | GE N                  | OBC | SC | ST | Others | Total |     |                                       |
| Natural farming                               | 28.09.2024                  | KVK Manjhi         | 75                  | 11   | 9  | 0   | 0      | 95    | 12                    | 8   | 10 | 0  | 0      | 30    | 125 | Ecofriendly techniques of crop        |

|                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                     |
|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------|
| practices in<br>crop<br>production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | production<br>Low input cost<br>involved in farming |
|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------|

**Any other Programme /Activity organized for Natural farming promotion**

| Name of the Innovative programme organized | Significance of innovative programme | Remarks/Observation/Feedback Recorded |
|--------------------------------------------|--------------------------------------|---------------------------------------|
| -                                          | -                                    | -                                     |

**Details of Beneficiaries under Demonsatration at Farmer's Fields**

| Name of KVK | No. of<br>blocks<br>covered | No. of<br>village<br>covered | Total no. of<br>Trained/Pra<br>cticing NF<br>Farmer | No. of<br>farmers<br>influenced to<br>adopt NF | No. of farmers with<br>whom the NF<br>farmer can engaged<br>all season | No. of farmers with<br>whom the NF farmer<br>can engage in 1 season | Any Remarks (in<br><50 words)                                                                                                                                                                                                                                                                      |
|-------------|-----------------------------|------------------------------|-----------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Saran       | 04                          | 8                            | 10                                                  | 65                                             | 30                                                                     | 65                                                                  | In Saran district of Bihar, motivated farmers are transitioning to natural farming have expressed opinion, including positive aspects like lower input costs and improved soil health, but also facing major challenges like lower initial yields and pest/disease & weed management difficulties. |

**Demonstration Information**

| KVK/ Farmer wise information of demonstration conducted till date |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
|-------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Name of State                                                     |  | Bihar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |
| Name of KVK/Farmer where demonstration conducted                  |  | Saran                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |
| Address of Farmer with contact detail                             |  | 1. Sri Narmedeshawer Giri, Village- Saidupur Mathia, Block-Nagra, Mob. No. 9110968896<br>2. BagendraMahto, Sheetalpur, Manjhi, Mob. No. 9110968896<br>3. ShatrughanYadav, Dumri, Manjhi, 9661172607<br>4. Sunita Prasad, Bareja, Manjhi, 9931252609<br>5. SatnarayanYadav, Godhapar, Manjhi, Mob. No. 9334657566<br>6. Vijay Kishore Singh, Chaukhara, Jalalpur, Mob. No.9714533465<br>7. Avinash Kumar, Karah, Baniyapur, Mob. No. 7903971775<br>8. Munna Babu, Baldiha, Nagra, Mob. No. 8002153983 |               |
| Agro Climatic Zone of KVK/Village of farmer                       |  | Zone-I: North –West Alluvial Plain                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
| Cropping patter of KVK plot/ Farmer plot                          |  | Rice/Millet-wheat/vegetables-Green gram                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Farming Situation of the Selected KVK/Farmer                      |  | Latitude (N)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Longitude (E) |
|                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |

| Name of Activity | Crop | Variety  | Season (Kharif /Rabi/ Summer ) | Name of Natural Farming components/Technology demonstrated | Area (ha) in Natural farming practice | Detail of farmer practice           | Observations Recorded       |                     |                  |
|------------------|------|----------|--------------------------------|------------------------------------------------------------|---------------------------------------|-------------------------------------|-----------------------------|---------------------|------------------|
|                  |      |          |                                |                                                            |                                       |                                     | Name of parameter           | Performance         |                  |
|                  |      |          |                                |                                                            |                                       |                                     |                             | Without NF practice | With NF practice |
|                  | Rice | Rajshree | Kharif                         | Desi cow dung & urine, minimum tillage, residues retention | 0.5                                   | Ghanjeevamrit, Jevamrit application | Plant height (cm)           | 142 cm              | 135 cm           |
| -                | -    | -        | -                              | -                                                          | -                                     | -                                   | No. of tillers/sq m         | 215                 | 205              |
| -                | -    | -        | -                              | -                                                          | -                                     | -                                   | Yield (q/ha)                | 51.8                | 41.4             |
| -                | -    | -        | -                              | -                                                          | -                                     | -                                   | Cost of cultivation (Rs/ha) | 51900               | 39900            |

|   |         |                  |               |                                                            |     |                                      |                             |        |       |
|---|---------|------------------|---------------|------------------------------------------------------------|-----|--------------------------------------|-----------------------------|--------|-------|
| - | -       | -                | -             | -                                                          | -   | -                                    | Gross Return (Rs/ha)        | 113079 | 90376 |
| - | -       | -                | -             | -                                                          | -   | -                                    | Net Return (Rs/ha)          | 61179  | 50476 |
| - | -       | -                | -             | -                                                          | -   | -                                    | B:C Ratio                   | 1.18   | 1.27  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil PH                     | 7.05   | 7.01  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil OC (%)                 | 0.38   | 0.46  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil EC (dS/m)              | 0.32   | 0.31  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Available N (Kg/ha)         | 215.8  | 221.6 |
| - | -       | -                | -             | -                                                          | -   | -                                    | Available P (Kg/ha)         | 21.6   | 23.8  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Available K (Kg/ha)         | 109.4  | 119.6 |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil Microbes (cfu)         | -      | -     |
|   | Millets | Rajendra Madua 3 | <i>Kharif</i> | Desi cow dung & urine, minimum tillage, residues retention | 0.5 | Ghan jeevamrit, Jevamrit application | Plant height (cm)           | 42     | 35    |
| - | -       | -                | -             | -                                                          | -   | -                                    | No. of tillers/sq m         | 58     | 52    |
| - | -       | -                | -             | -                                                          | -   | -                                    | Yield (q/ha)                | 24     | 22    |
| - | -       | -                | -             | -                                                          | -   | -                                    | Cost of cultivation (Rs/ha) | 35789  | 31452 |
| - | -       | -                | -             | -                                                          | -   | -                                    | Gross Return (Rs/ha)        | 91919  | 86150 |
| - | -       | -                | -             | -                                                          | -   | -                                    | Net Return (Rs/ha)          | 56130  | 54698 |
| - | -       | -                | -             | -                                                          | -   | -                                    | B:C Ratio                   | 1.57   | 1.74  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil PH                     | 8.31   | 8.3   |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil OC (%)                 | 0.36   | 0.41  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Soil EC (dS/m)              | 0.43   | 0.38  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Available N (Kg/ha)         | 189.4  | 206.4 |
| - | -       | -                | -             | -                                                          | -   | -                                    | Available P (Kg/ha)         | 20.4   | 21.9  |
| - | -       | -                | -             | -                                                          | -   | -                                    | Available K (Kg/ha)         | 102.8  | 115.6 |

|   |        |         |      |                                                            |     |                                                |                             |        |        |
|---|--------|---------|------|------------------------------------------------------------|-----|------------------------------------------------|-----------------------------|--------|--------|
| - | -      | -       | -    | -                                                          | -   | -                                              | Soil Microbes (cfu)         | -      | -      |
|   | Wheat  | HD 2967 | Rabi | Desi cow dung & urine, minimum tillage, residues retention | 0.5 | Ghanjeevamrit, Jevamrit application            | Plant height (cm)           | 86 cm  | 75 cm  |
| - | -      | -       | -    | -                                                          | -   | -                                              | No. of tillers/sq m         | 345    | 340    |
| - | -      | -       | -    | -                                                          | -   | -                                              | Yield (q/ha)                | 41.4   | 34.24  |
| - | -      | -       | -    | -                                                          | -   | -                                              | Cost of cultivation (Rs/ha) | 42900  | 31200  |
| - | -      | -       | -    | -                                                          | -   | -                                              | Gross Return (Rs/ha)        | 87975  | 72760  |
| - | -      | -       | -    | -                                                          | -   | -                                              | Net Return (Rs/ha)          | 45075  | 41560  |
| - | -      | -       | -    | -                                                          | -   | -                                              | B:C Ratio                   | 1.05   | 1.33   |
| - | -      | -       | -    | -                                                          | -   | -                                              | Soil PH                     | 8.56   | 8.49   |
| - | -      | -       | -    | -                                                          | -   | -                                              | Soil OC (%)                 | 0.39   | 0.41   |
| - | -      | -       | -    | -                                                          | -   | -                                              | Soil EC (dS/m)              | 0.38   | 0.39   |
| - | -      | -       | -    | -                                                          | -   | -                                              | Available N (Kg/ha)         | 178.9  | 189.7  |
| - | -      | -       | -    | -                                                          | -   | -                                              | Available P (Kg/ha)         | 16.2   | 16.5   |
| - | -      | -       | -    | -                                                          | -   | -                                              | Available K (Kg/ha)         | 105.2  | 111.7  |
| - | -      | -       | -    | -                                                          | -   | -                                              | Soil Microbes (cfu)         | -      | -      |
|   | Tomato |         | Rabi | Desi cow dung & urine, minimum tillage, residues retention | 0.5 | Ghanjeevamrit, Jevamrit, Neemastra application | Plant height (cm)           | 75 cm  | 85 cm  |
| - | -      | -       | -    | -                                                          | -   | -                                              | No. of branches             | 18     | 21     |
| - | -      | -       | -    | -                                                          | -   | -                                              | Yield (q/ha)                | 285    | 245    |
| - | -      | -       | -    | -                                                          | -   | -                                              | Cost of cultivation (Rs/ha) | 129650 | 89645  |
| - | -      | -       | -    | -                                                          | -   | -                                              | Gross Return (Rs/ha)        | 427500 | 367500 |
| - | -      | -       | -    | -                                                          | -   | -                                              | Net Return (Rs/ha)          | 297850 | 277855 |
| - | -      | -       | -    | -                                                          | -   | -                                              | B:C Ratio                   | 2.29   | 3.09   |

|                    |                                                           |       |        |                                                            |     |                                     |                             |         |         |
|--------------------|-----------------------------------------------------------|-------|--------|------------------------------------------------------------|-----|-------------------------------------|-----------------------------|---------|---------|
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil PH                     | 8.42    | 8.39    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil OC (%)                 | 0.38    | 0.41    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil EC (dS/m)              | 0.39    | 0.35    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Available N<br>(Kg/ha)      | 179.5   | 198.6   |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Available P<br>(Kg/ha)      | 18.6    | 19.7    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Available K<br>(Kg/ha)      | 90.7    | 98.6    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil Microbes (cfu)         | -       | -       |
|                    | Green gram                                                | Virat | Summer | Desi cow dung & urine, minimum tillage, residues retention | 0.5 | Ghanjeevamrit, Jevamrit application | Plant height (cm)           | 51 cm   | 55 cm   |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | No. of branches             | 3.9     | 4.7     |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Yield (q/ha)                | 7.2     | 10.6    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Cost of cultivation (Rs/ha) | 35912   | 30540   |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Gross Return (Rs/ha)        | 62510.4 | 78768.6 |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Net Return (Rs/ha)          | 17597   | 48228.6 |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | B:C Ratio                   | 1.49    | 1.57    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil PH                     | 8.01    | 7.98    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil OC (%)                 | 0.38    | 0.42    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil EC (dS/m)              | 0.41    | 0.38    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Available N (Kg/ha)         | 201.6   | 215.5   |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Available P (Kg/ha)         | 19.6    | 19.9    |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Available K (Kg/ha)         | 89.8    | 105.6   |
| -                  | -                                                         | -     | -      | -                                                          | -   | -                                   | Soil Microbes (cfu)         | -       | -       |
| Feedback of farmer | Getting satisfactory return with minimized the input cost |       |        |                                                            |     |                                     |                             |         |         |

r

### Information of Farmer Already Practicing Natural Farming

| S. N o. | Name of District | Name of Farmer         | Name of Village and address with contact No                                         | No. of Indigen ous (Desi Cows) | Land Holding (ha) | Normal Crops Grown | No. of Years practic ing in Natura l Farmi ng | Area (ha) Covered under Natural Farming | Crop Grown under Natural Farming | Natural Farming Technology practicing/ adopted          | Observations Recorded       |                     |                  |
|---------|------------------|------------------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------|--------------------|-----------------------------------------------|-----------------------------------------|----------------------------------|---------------------------------------------------------|-----------------------------|---------------------|------------------|
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Name of parameter           | Performance         |                  |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         |                             | Without NF practice | With NF practice |
| 1.      | Saran            | Sri Bagendra Kushwaha, | Village-Sitalpur, Block-Manjhi, Distt.-Saran, Pin No. 841201, Mobile No. 9801168362 | 2                              | 0.75              | Rice-Wheat         | 8                                             | 0.30                                    | Cauliflo wer, Tomato, Brinjal    | Application of Jeeva-mrit and ghan-jeevamrit, Neemastra | Yield (q/ha)                | 256.5               | 278.5            |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Cost of cultivation (Rs/ha) | 110542              | 185745           |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Gross Return (Rs/ha)        | 384750              | 278500           |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Net Return (Rs/ha)          | 274208              | 92755            |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | B:C Ratio                   | 3.48                | 1.50             |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Soil PH                     | 8.38                | 8.24             |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Soil OC (%)                 | 0.45                | 0.51             |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Soil EC (dS/m)              | 0.36                | 0.31             |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Available N (Kg/ha)         | 195.6               | 215.4            |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Available P (Kg/ha)         | 18.9                | 22.3             |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Available K (Kg/ha)         | 98.6                | 105.6            |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Soil Microbes (cfu)         | -                   | -                |
|         |                  |                        |                                                                                     |                                |                   |                    |                                               |                                         |                                  |                                                         | Any other, specify          | =                   | =                |

Feedback of farmer:

### Soil Data information

**Soil Parameter for Demo plot at KVK Farm**

| Season  | Crop  | Before crop sowing |           |        |           |           |           |                     | After harvesting |           |        |           |           |           |                     |
|---------|-------|--------------------|-----------|--------|-----------|-----------|-----------|---------------------|------------------|-----------|--------|-----------|-----------|-----------|---------------------|
|         |       | pH                 | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) | pH               | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) |
| Khari f | Rice  | 8.66               | 0.41      | 0.48   | 186.2     | 29.0      | 112.5     | -                   | 8.66             | 0.4       | 0.49   | 188.9     | 29        | 112.5     | -                   |
| Rabi    | Wheat | 8.66               | 0.4       | 0.49   | 188.9     | 29        | 112.5     | -                   | 8.64             | 0.40      | 0.51   | 192.4     | 29.8      | 116.5     | -                   |

**Soil Parameter for Non-Demo plot at KVK Farm**

| Season  | Crop  | Before crop sowing |           |        |           |           |           |                     | After harvesting |           |        |           |           |           |                     |
|---------|-------|--------------------|-----------|--------|-----------|-----------|-----------|---------------------|------------------|-----------|--------|-----------|-----------|-----------|---------------------|
|         |       | pH                 | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) | pH               | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) |
| Khari f | Rice  |                    | 8.17      | 0.42   | 0.45      | 180.2     | 24.5      | -                   | 8.17             | 0.41      | 0.42   | 179.6     | 23.1      | 105.2     | -                   |
| Rabi    | Wheat |                    | 8.17      | 0.41   | 0.42      | 179.6     | 23.1      | -                   | 8.15             | 0.39      | 0.44   | 186.8     | 23.9      | 109.6     | -                   |

**Soil Parameter for Demo plot at Farmer's Field**

| Season  | Crop  | Before crop sowing |           |        |           |           |           |                     | After harvesting |           |        |           |           |           |                     |
|---------|-------|--------------------|-----------|--------|-----------|-----------|-----------|---------------------|------------------|-----------|--------|-----------|-----------|-----------|---------------------|
|         |       | pH                 | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) | pH               | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) |
| Khari f | Rice  |                    | 7.98      | 0.45   | 0.5       | 211.5     | 21.6      | -                   | 7.98             | 0.44      | 0.52   | 219.6     | 23.6      | 112.5     | -                   |
| Rabi    | Wheat |                    | 7.98      | 0.44   | 0.52      | 219.6     | 23.6      | -                   | 7.96             | 0.41      | 0.52   | 221.7     | 23.9      | 119.3     | -                   |

**Soil Parameter for Non- Demo plot at Farmer's Field**

| Season | Crop  | Before crop sowing |           |        |           |           |           |                     | After harvesting |           |        |           |           |           |                     |
|--------|-------|--------------------|-----------|--------|-----------|-----------|-----------|---------------------|------------------|-----------|--------|-----------|-----------|-----------|---------------------|
|        |       | pH                 | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) | pH               | EC (dS/m) | OC (%) | N (Kg/ha) | P (Kg/ha) | K (Kg/ha) | Soil Microbes (cfu) |
| Kharif | Rice  |                    | 8.02      | 0.44   | 0.41      | 205.1     | 19.9      | -                   | 8.04             | 0.46      | 0.41   | 198.6     | 19.5      | 95.6      | -                   |
| Rabi   | Wheat |                    | 8.04      | 0.46   | 0.41      | 198.6     | 19.5      | -                   | 8.05             | 0.48      | 0.4    | 191.5     | 18.5      | 95.1      | -                   |

### Financial information

| Budget Expenditure (Rs. in Rs) |                                |                      |                         |                               |
|--------------------------------|--------------------------------|----------------------|-------------------------|-------------------------------|
| Name of activity               | Number of activities organized | Budget sanction (Rs) | Budget expenditure (Rs) | Total Budget Expenditure (Rs) |
| Training                       | 6                              | -                    | -                       | -                             |
| Awareness Programme            | 1                              | -                    | -                       | -                             |
| Demonstration                  | 8                              | -                    | -                       | -                             |
| Miscellaneous                  | -                              | -                    | -                       | -                             |
| Total                          | -                              | -                    | -                       | -                             |

### Glimpses of various Activities (Good Quality Action Photographs)

| Name of activity    | 1                                                                                  | 2                                                                                   | 2                                                                                    | 4                                                                                    |
|---------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Training programmes |  |  |  |  |

|                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Awareness programmes              |  |  |  |  |
| Demonstrations (KVK/Farmer filed) |  |  |  |  |
| Any other activities              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |

### 11.7 CRA (Climate Resilient Agriculture)

| Technology demonstrated/ interventions  | Cropping system | Farming System crop under demonstration |       |            | Area under Demonstration (in acre) |       |         | No. of farmers under demonstration |         |        | Category |     |       |      | Crop Yield (q/ha) |       |         | System productivity (q/ha) | Total return (Rs./ha) | Yield obtained under Farmer Practices (q/ha) | Exposure visit (no.) | Number of farmers under exposure |
|-----------------------------------------|-----------------|-----------------------------------------|-------|------------|------------------------------------|-------|---------|------------------------------------|---------|--------|----------|-----|-------|------|-------------------|-------|---------|----------------------------|-----------------------|----------------------------------------------|----------------------|----------------------------------|
|                                         |                 | Kharif                                  | Rabi  | Summer     | Kh arif                            | Ra bi | Sum mer | Ma le                              | Fem ale | Tot al | S C      | S T | O B C | G en | Kh arif           | Ra bi | Sum mer |                            |                       |                                              |                      |                                  |
| Zero tillage rice, wheat and green gram | Rice-Moon-g-    | Rice                                    | Wheat | Green gram | 238                                | 140   | 248     | 750                                | 35      | 351    | 45       | 0   | 535   | 355  | 36.2              | 47    | 9.4     | 92.6                       | 156467                | 68.5                                         | 5                    | 225                              |

|                                                             |                                    |       |                |            |  |  |  |     |    |     |     |     |     |    |    |      |       |       |        |       |
|-------------------------------------------------------------|------------------------------------|-------|----------------|------------|--|--|--|-----|----|-----|-----|-----|-----|----|----|------|-------|-------|--------|-------|
|                                                             | wheat                              |       |                |            |  |  |  |     |    |     |     |     |     |    |    |      |       |       |        |       |
| Zero tillage rice and wheat                                 | Rice-wheat                         | Rice  | Wheat          | -          |  |  |  |     | 50 | 0   | 145 | 120 | 37  | 49 | -  | 49.0 | 75745 | 65.8  |        |       |
| Zero tillage rice, intercropping and line sowing green gram | Rice – Potato + Maize – green gram | Rice  | Potato + maize | Green gram |  |  |  | 305 | 10 | 315 | 35  | 0   | 136 | 59 | 37 | 275  | 9.0   | 321.0 | 284616 | 260.0 |
| Zero tillage Maize, mustard and green gram                  | Maize – Mustard – green gram       | Maize | mustard        | Green gram |  |  |  | 205 | 25 | 230 | 50  | 0   | 64  | 76 | 65 | 20   | 10.0  | 95.0  | 197289 | 74.0  |



**11.8 District Agro Meteorological Unit (DAMU)**

| S. No | No. of Block agromet advisories send | No. of advisory bulletin published | No. of Farmers Awareness programmes organized | No. of farmers feedback received | No. of farmers received agromet advisory bulletin | No. of publication |
|-------|--------------------------------------|------------------------------------|-----------------------------------------------|----------------------------------|---------------------------------------------------|--------------------|
| -     | -                                    | -                                  | -                                             | -                                | -                                                 | -                  |

**11.9 KSHAMTA**

| Number of Adopted Villages | No. of Activities |          | No. of farmers benefited |          |
|----------------------------|-------------------|----------|--------------------------|----------|
|                            | Demo              | Training | Demo                     | Training |
| -                          | -                 | -        | -                        | -        |

**11.10 Agri-Drone**

| S. No. | Name of parameter                                                                           | Details of parameter                                                            |
|--------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 1      | Name of the project implementing centre (PIC)                                               | Foliar spray of liquid pesticide, NANO urea & NANO DAP                          |
| 2      | No. of Agri Drones Sanctioned                                                               | 1                                                                               |
| 3      | No. of Agri Drones Purchased                                                                | 1                                                                               |
| 4      | Amount sanctioned (Rs)                                                                      | 750000                                                                          |
| 5      | Purchased cost of each Drone (Rs.)                                                          | -                                                                               |
| 6      | Company and Model of Drone                                                                  | IoTech                                                                          |
| 7      | Name and contact No of Agri Drone Pilot                                                     | Dr. J.C. Chandola, Mob No. 8218070207<br>Dr. Jeer Vinayaka, Mob. No. 7337765461 |
| 8      | Target Area for Agri Drone Demonstration (ha)<br>(1 demo = 1 ha area)                       | 250 acre                                                                        |
| 9      | Amount sanctioned for Agri Drone Demonstrations (Rs.)                                       | 7,50,000                                                                        |
| 10     | Amount utilised for Agri Drone Demonstrations (Rs.)                                         | 3,40,500                                                                        |
| 11     | Area covered under demos (area in ha)                                                       | 0 ha                                                                            |
| 13     | Operation carried out (Pesticide/Weedicide/Nutrient application) in demonstration organised | Nutrient application                                                            |
| 14     | Number of farmers participated during demonstration                                         | 0                                                                               |
| 15     | Advantages of using Agri Drones as observed during the demonstrations                       | Minimized the input cost i.e., pesticide, nutrient and labour cost              |

**Details of Demonstrations under Agri-drone Project NIL**

|  | Name of district | Date of demonstration | Place of demonstration | Crop Name | No. of demos | Area covered under demos (area in ha) | No of farmers participated |
|--|------------------|-----------------------|------------------------|-----------|--------------|---------------------------------------|----------------------------|
|--|------------------|-----------------------|------------------------|-----------|--------------|---------------------------------------|----------------------------|

|                            |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|
| Demos on insecticide spray | - | - | - | - | - | - | - |
| Demos on weedicide spray   | - | - | - | - | - | - | - |
| Demos on nutrient spray    | - | - | - | - | - | - | - |

### 11.11 Augmenting Rapeseed- Mustard Production of Tribal Farmers of Jharkhand state for Sustainable Livelihood Security under Scheduled Tribe Component.

| Varieties used | Situations (Irrigated/ Rainfed) | Varieties used in FP | Yield (Kg/ha) |    | YIOFP (%) | COC (Rs./ha) |    | GMR (Rs./ha) |    | ANMR (Rs./ha) | B:C ratio GMR/CoC |    |
|----------------|---------------------------------|----------------------|---------------|----|-----------|--------------|----|--------------|----|---------------|-------------------|----|
|                |                                 |                      | IP            | FP |           | IP           | FP | IP           | FP |               | IP                | FP |
| -              | -                               | -                    | -             | -  | -         | -            | -  | -            | -  | -             | -                 | -  |
| -              | -                               | -                    | -             | -  | -         | -            | -  | -            | -  | -             | -                 | -  |

| S.No | Item /Activity                                          | Units     | Quantity | No of beneficiaries |
|------|---------------------------------------------------------|-----------|----------|---------------------|
| 1    | Training (Capacity building /skill development etc)     |           | -        | -                   |
| 1.1  | 1-3 days                                                | No.       | -        | -                   |
| 2    | Frontline demonstration (FLDs) and other demonstrations |           | -        | -                   |
| 2.1  | Area under FLDs                                         | Hectare   | -        | -                   |
| 3    | Awareness camps, exposure visit etc                     | No.       | -        | -                   |
| 4    | Input Distribution                                      |           | -        | -                   |
| 4.1  | Seeds (Field Crops)                                     | Kg        | -        | -                   |
| 4.2  | Small equipment's (Upto ₹ 2000)                         | No.       | -        | -                   |
| 4.3  | Large equipment's (more than ₹2000)                     | Nos.      | -        | -                   |
| 4.4  | Fertilizers (NPK)/ Secondary/ Micro Fertilizers         | Kg        | -        | -                   |
| 4.5  | Plant Protection chemicals                              | Lit.      | -        | -                   |
| 5    | Distribution of Literature                              | No.       | -        | -                   |
| 6    | Kisan Mela                                              | No.       | -        | -                   |
| 7    | Any other (specify)                                     | No.       | -        | -                   |
| 8    | <b>Total Budget Utilized</b>                            | <b>Rs</b> | <b>-</b> | <b>-</b>            |

## 12. OTHER INFORMATION

### 12.1 Integrated Farming System (IFS)

#### a. Details of KVK Demo. Unit

| 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 |
|---------|---------------------------------|---------------------|-----------------------------|--------------------------------------------|----------------------------------------|--------------------------------------|--------------------------------------|
| 1.      | Cattle                          | 0.0023              | 2 bull                      | 24000                                      | 34800                                  | 4                                    | 9.65                                 |
| 2.      | Goatry                          | 0.0023              | 4 goats                     | 8000                                       | 10000                                  | 4                                    | 4.21                                 |

|    |                                              |          |          |           |       |   |       |
|----|----------------------------------------------|----------|----------|-----------|-------|---|-------|
| 3. | Azolla                                       | 0.000828 | 360      | 12000     | 18000 | 4 | 15.62 |
| 4. | Composting<br>(Vermicompost +<br>NADEP unit) | 0.002208 | 50       | 25462     | 50000 | 4 | 18.25 |
| 5. | Fish                                         | 0.13248  | 0.25     | 32573.52  | 4500  | 4 | 10.54 |
| 6. | Fodder                                       | 0.0736   | 23.92    | 1579.0144 | 16744 | 4 | 6.52  |
| 7. | Horticulture<br>(Vegetable and fruits)       | 0.17664  | 65.18016 | 11614.08  | 52144 | 4 | 12.24 |



Fish pond

Alley cropping

Vermicomposting



Vermicomposting

NADEP unit

Azolla and fodder unit

## b. Activities under IFS

| Sl. No. | Component Name | No. of KVKs under the Component | No. of Components established | Area (ha) | No. of Activities |          | No. of farmers benefited |          |
|---------|----------------|---------------------------------|-------------------------------|-----------|-------------------|----------|--------------------------|----------|
|         |                |                                 |                               |           | Demo              | Training | Demo                     | Training |
| 1.      | -              | -                               | -                             | -         | -                 | -        | -                        | -        |

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

| Phase | Database prepared/ covered for |                      | KVK level Committee |                 | Various activity conducted for farmers |
|-------|--------------------------------|----------------------|---------------------|-----------------|----------------------------------------|
|       | Total no. of villages          | Total no. of farmers | Date of formation   | Name of members |                                        |
| I     | -                              | -                    | -                   | -               | -                                      |
| II    | -                              | -                    |                     |                 |                                        |
| Total | -                              | -                    |                     |                 |                                        |

## 12.3. PPV &amp; FRA Programme

| Date of training/awareness programme | Venue | Resource Person | No. of participants |
|--------------------------------------|-------|-----------------|---------------------|
| -                                    | -     | -               | -                   |
| -                                    | -     | -               | -                   |
| -                                    | -     | -               | -                   |
| -                                    | -     | -               | -                   |

## Details of plant varieties registered

| Name of crop Registered | Year of registration | Registration number | Farmer name and details | Address of the farmers |
|-------------------------|----------------------|---------------------|-------------------------|------------------------|
|-------------------------|----------------------|---------------------|-------------------------|------------------------|

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

#### 12.4 . a. Observation of Swachhta hi Sewa (2<sup>nd</sup> -31<sup>st</sup> Oct 2024)

| Date/ Duration of Observation | Total No of Activities undertaken | No. of Participants |            |          |            |
|-------------------------------|-----------------------------------|---------------------|------------|----------|------------|
|                               |                                   | Staffs              | Farmers    | Others   | Total      |
| 02-10-2024                    | 4                                 | 8                   | 0          | 0        | 8          |
| 12-10-2024                    | 1                                 | 10                  | 0          | 0        | 10         |
| 13-10-2024                    | 1                                 | 17                  | 17         | 0        | 34         |
| 17-10-2024                    | 2                                 | 14                  | 5          | 0        | 19         |
| 18-10-2024                    | 1                                 | 11                  | 11         | 0        | 22         |
| 20-10-2024                    | 2                                 | 11                  | 11         | 0        | 22         |
| 26-10-2024                    | 1                                 | 9                   | 9          | 0        | 18         |
| 27-10-2024                    | 1                                 | 6                   | 6          | 0        | 12         |
| 28-10-2024                    | 1                                 | 14                  | 14         | 0        | 28         |
| 30-10-2024                    | 3                                 | 61                  | 51         | 2        | 114        |
| <b>Total</b>                  | <b>17</b>                         | <b>161</b>          | <b>124</b> | <b>2</b> | <b>287</b> |

#### b. Observation of Swachta Pakhwada (15 Dec -31<sup>st</sup> Dec 2024)

| Date/ Duration of Observation | Total No of Activities undertaken | No. of Participants |         |        |       |
|-------------------------------|-----------------------------------|---------------------|---------|--------|-------|
|                               |                                   | Staffs              | Farmers | Others | Total |
| 02 October- 30 October, 2024  | 10                                | 161                 | 124     | 2      | 287   |

#### c. Details of total budget expenditure on Swachta activities including SAP

| S.No | Activities              | No of village covered        | Total Expenditure (Rs.in Lakhs) |
|------|-------------------------|------------------------------|---------------------------------|
| 1.   | Vermicompost            | 02                           | -                               |
| S.No | Activities              | Name of activities conducted | Total Expenditure               |
| 1.   | Other than vermicompost | 08                           | -                               |

#### 12.5 Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year



**Practical work-Natural Farming training**



**Field visit- Demo plot of natural Farming**



**Field visit- Demo plot of Nutrition garden**



**Critical input distribution under FLD of Papaya**



**Critical input distribution under CRA-project**



**Training of RPL, ATMA, Saran**



**Mulching practice at farmers field**



**Field day – Maize under CRA project**



**Training & exposure visit of Jeevika staff**



**Exposure visit of CHC**



**Live telecast programme**



**Live telecast programme**



**Training programme**



**Field day CRA**



**Critical input distribution under SCSP scheme**

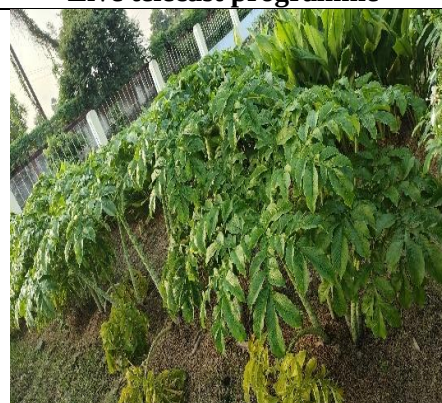


**Live telecast programme**



**Technology park-visited by CRA team**



**Gardener training****Live telecast programme****CRA training programme****Technology park****Elephant foot yam (Gajendra)  
demo at Technology park****Turmeric (R soniya) demo at  
Technology park****Millets demo in technology park****RCT demo in technology park****ITBP –field visit****Kisan Mela at Sonpur****Prize received at Sonpur mela****Agri. Engg. training**

A black quadcopter drone is shown in flight against a grey, overcast sky. Below the drone is a large, flat green field. In the background, a tall, slender communication tower stands out against the horizon, surrounded by a line of trees and some distant buildings. In the bottom right corner, the backs of two people are visible as they watch the drone.

[illegible]

## संरचना, कार्य

[illegible]

### Media coverage of Dr. Satynarayan Yadav (MLA) at KVK

