

## ACTION PLAN PROFORMA FOR THE KVKs.

(1<sup>st</sup> January 2026 to 31 December, 2026)

### 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                                                               | Website                                                               |
|---------------------------------------|--------------|-----|----------------------------------------------------------------------|-----------------------------------------------------------------------|
|                                       | Office       | FAX |                                                                      |                                                                       |
| KVK,ARIARI, SHEIKHPURA (BIHAR)-811105 | 06341-247317 | N.A | <a href="mailto:kvksheikhpura@gmail.com">kvksheikhpura@gmail.com</a> | <a href="https://sheikhpura.kvk4.in/">https://sheikhpura.kvk4.in/</a> |

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

| Address                                                    | Telephone   |             | E mail                                                               | Website                                                           |
|------------------------------------------------------------|-------------|-------------|----------------------------------------------------------------------|-------------------------------------------------------------------|
|                                                            | Office      | FAX         |                                                                      |                                                                   |
| BIHAR AGRICULTURAL UNIVERSITY, SABOUR<br>BHAGALPUR- 813210 | 06412452606 | 06412452641 | <a href="mailto:deebeausabour@gmail.com">deebeausabour@gmail.com</a> | <a href="https://beausabour.ac.in/">https://beausabour.ac.in/</a> |

1.2.b. Status of KVK website : Yes; Date when the website last updated: 12.05.2026

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :51275

1.2.d Status of ICT lab at your KVK :

- a) No. of PC units :07 (5 laptops)
- b) No. of Printers :03
- c) Internet connection : Yes

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

| Name                       | Telephone / Contact |            |                                                                      |
|----------------------------|---------------------|------------|----------------------------------------------------------------------|
|                            | Office              | Mobile     | Email                                                                |
| Er. Pramod Kumar Choudhary | 06341-247317        | 7903914728 | <a href="mailto:kvksheikhpura@gmail.com">kvksheikhpura@gmail.com</a> |

#### 1.4. Year of sanction:1996

#### 1.5. Staff Position (as on 1<sup>st</sup> January, 2026)

| Sl. No. | Sanctioned post | Name of the incumbent      | Designation             | Discipline              | Pay Scale (Rs.) | Grade Pay | Present basic (Rs.) | Date of joining | Permanent /Temporary | Category (SC/ST/OBC/ Others) | Mobile No. | Email id                | Please attach recent photograph |
|---------|-----------------|----------------------------|-------------------------|-------------------------|-----------------|-----------|---------------------|-----------------|----------------------|------------------------------|------------|-------------------------|---------------------------------|
| 1       | 1               | Er. Pramod Kumar Chaudhary | Senior Scientist & Head | Agriculture Engineering | 13 A            | 9000      | 156900              | 22.11.2007      | Permanent            | SC                           | 7903914728 | kvksheikhpura@gmail.com |                                 |
| 2       | 1               | Navin Kumar Singh          | S.M.S                   | Horticulture            | 10              | 6000      | 95300               | 19.11.2007      | Permanent            | OBC                          | 8271346702 |                         |                                 |

|    |   |                           |                     |              |    |      |       |            |           |     |            |  |  |
|----|---|---------------------------|---------------------|--------------|----|------|-------|------------|-----------|-----|------------|--|--|
| 3  |   |                           |                     |              |    |      |       |            |           |     |            |  |  |
| 4  | 1 | Sangita Kumari            | S.M.S               | Home Science | 10 | 6000 | 89800 | 21.06.2009 | Permanent | OBC | 9199847106 |  |  |
| 5  | 1 | Dr. Alkajyoti Sharma      | SMS                 | Agronomy     | 10 | 5400 | 59500 | 04.03.2024 | Permanent | EWS | 9304376978 |  |  |
| 6  | 1 | Choudhary Narendra Prasad | Farm Manager        | -            | 6  | 4200 | 52000 | 05.11.2012 | Permanent | OBC | 9470090233 |  |  |
| 7  | 1 | Shailendra Kumar          | Assistant           | -            | 6  | 4200 | 50500 | 08.04.2013 | Permanent | OBC | 7903632299 |  |  |
| 8  | 1 | Prem Chandra Maurya       | Assistant, Computer | -            | 6  | 4200 | 50500 |            | Permanent | OBC | 9431880214 |  |  |
| 9  | 1 | Rajani Prabha Singh       | Stenographer        | -            | 4  | 2400 | 36400 | 01.07.2013 | Permanent | OBC | 7004926978 |  |  |
| 10 |   | Rajesh Kumar Jha          | Driver              | -            | 3  | 2000 | 30200 | 28.05.2015 | Permanent | UR  | 7903302834 |  |  |

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

| S. No. | Item                      | Area (ha) |
|--------|---------------------------|-----------|
| 1      | Under Buildings           | 1.45      |
| 2.     | Under Demonstration Units | 0.05      |
| 3.     | Under Crops               | 5.0       |
| 4.     | Orchard                   | 1.0       |
| 5.     | Others with details       | 1.02      |
| 6.     | Total                     | 8.52      |
|        |                           |           |

**1.7. Infrastructural Development:**

**A) Buildings**

| S. No. | Name of building        | Source of funding |      | Stage           |                    |                   |               |                    |                        |
|--------|-------------------------|-------------------|------|-----------------|--------------------|-------------------|---------------|--------------------|------------------------|
|        |                         | ICAR              | RKVY | Complete        |                    |                   | Incomplete    |                    |                        |
|        |                         |                   |      | Completion Year | Plinth area (Sq.m) | Expenditure (Rs.) | Starting year | Plinth area (Sq.m) | Status of construction |
| 1.     | Administrative Building | ICAR              |      |                 |                    |                   |               | 550                | Completed in 2002      |
| 2.     | Farmers Hostel          | ICAR              |      |                 |                    |                   |               | 300                | Completed              |

|    |                              |      |     |      |  |  |  |     |                                                |
|----|------------------------------|------|-----|------|--|--|--|-----|------------------------------------------------|
| 3. | Staff Quarters (6)           | ICAR |     |      |  |  |  |     | 3(1pc +2 assistant quarter has been completed) |
| 4. | Demonstration Units (2)      |      |     |      |  |  |  |     | completed                                      |
| 5  | Fencing                      |      |     |      |  |  |  |     | Partial completed                              |
| 6  | Rain Water harvesting system | NS   |     |      |  |  |  |     | NA                                             |
| 7  | Threshing floor              |      |     |      |  |  |  |     | Functional                                     |
| 8  | Farm godown                  |      |     |      |  |  |  |     | Functional                                     |
|    | Soil test Lab                |      |     |      |  |  |  |     | Non functional                                 |
| 9  | Implement Shed               | GoB  | CRA | 2025 |  |  |  | 375 | completed                                      |
| 10 |                              |      |     |      |  |  |  |     |                                                |

#### B) Vehicles

| Type of vehicle        | Year of purchase | Source (ICAR/RKVY)         | Cost (Rs.) | Total kms. run as on December, 2024 | Present status |
|------------------------|------------------|----------------------------|------------|-------------------------------------|----------------|
| Bolero Plus            | 2019             | ICAR                       | 7,41,000/- | 89553 km                            | Functional     |
| Tractor, Mahindra      | 1997             | ICAR                       | 2,60,000/- | 1031 hrs                            | Functional     |
| Motorcycle Passion Pro | 2016             | ICAR                       | 60,000     | 8470                                | Functional     |
| Motorcycle Passion Pro | 2016             | ICAR                       | 60,000     |                                     | Functional     |
| Tractor, New Holland   | 2019             | GoB                        | 10,00,000  | 728 hrs                             | Functional     |
| Tata SUMO Spacio gold  |                  | Transfer from KVK Khagaria | NA         | 222327 km                           | Non Functional |

#### C) Equipment's & AV aids

| Name of the equipment   | Year of purchase | Cost (Rs.) | Present status |
|-------------------------|------------------|------------|----------------|
| Kirloskar Pump Set      | 1998             | 17,776/-   | Good           |
| Photo State Machine     | 2006, 2013       | NA         | Good           |
| Electric Generator      | 2016             | NA         | Good           |
| Kirloskar Pump Set      | 1998             | 17,776/-   | Not in use     |
| <b>AV aids</b>          |                  |            |                |
| Video conference System | 2014             | 495611     | Not working    |
| Projector 2             | 2016             | 52000      | One working    |
| Sound System 2          | 2016             | 30165      | One working    |
| <b>Farm implements</b>  |                  |            |                |
| Zero tillage machine    | 2011             | 39,480     | Non Functional |
| Multi Crop Thresher     | 2011             | NA         | Non Functional |
| Disc Plough 3 disc      | 2011             | NA         | Non Functional |
| Disc Harrow             | 2011             | NA         | Good           |
| Nine tine cultivator    | 2015             | 19500      | -              |
| Thresher                | -                | -          | Not working    |

|                                              |      |        |                |
|----------------------------------------------|------|--------|----------------|
| Fertilizer seed drill                        | 2015 | 58000  | Non Functional |
| Pumpset New Usha                             | 2015 | 22,000 | Working        |
| Rotavator                                    | 2015 | 88,500 | Damaged        |
| Sprayer                                      | 2015 | 5990   | -              |
| Weighing Machine                             | 2015 | 11500  | -              |
| Weighing Machine                             | 2016 | -      | -              |
| Moisture meter                               | 2016 | -      | -              |
| Motor Submersible Pump                       | 2012 | 10,000 | Good           |
| Knap Sac Sprayer                             | 2012 | -      | Good           |
| Happy Seeder (2)                             | 2019 |        | Good           |
| Multi crop planter                           | 2021 |        | Good           |
| Tractor Trolly                               | 2021 |        | Good           |
| Weeder and Ridger                            | 2021 |        | Good           |
| Thrasher                                     | 2021 |        | Good           |
| Laser land leveler                           | 2021 |        | Good           |
| Raised bed planter                           | 2021 |        | Good           |
| Tractor (New Holland 6500 2 WD turbo super ) | 2021 |        | Good           |
| Portable rice- wheat seeder                  | 2021 |        | Good           |
| Zero till drill                              | 2021 |        | Good           |
| Reaper                                       | 2021 |        | Good           |

#### 1.8. A). Details of SAC meetings to be conducted in the year

| Sl. No.                          | Date       |
|----------------------------------|------------|
| 1. Scientific Advisory Committee | 18.06.2026 |

Suggestions of SAC meeting

#### 2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

##### 2.1 Micro-farming situations

##### a) Characteristics

| S. No. | Agro-Ecological situations (AES)                       | Existing Farming System (Crop+ livestock +others)                                                                                                                                       | Major soil types    |
|--------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 1      | AES 1 (Name)<br>Ghat Kusumbha                          | Water logged condition during monsoon, very fertile soil. Wheat, oilseed and pulse are the major crops. This area is also called as Tal area. The climate is Hot and sub humid Climate. | Clay Loam           |
| 2      | AES 2 (Name) Sheikhpura, Barbigha and Sheikhopur sarai | Well drained soil, suitable for cereals as well as horticultural crop. The climate is Hot and sub humid Climate.                                                                        | Sandy Loam          |
| 3      | AES 3 (Name)<br>Chewara and Ariyari                    | Heavy soil, Hard Rock in sub strata, low water table and low rainfall in comparison to other parts of the district. The climate is Hot and Sub Humid climate.                           | Alluvial, Clay Loam |

**b) Land Characteristics**

| S.No | Agro-Ecological Situation (AES) | Topography                                                                                         | Drainage                                             |
|------|---------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1.   | AES-1 (Name)                    | Low Land with 0 to 3 percent slop towards north from south, Water logged condition during monsoon. | Poor drainage, water stagnation from July to October |
| 2.   | AES-2 (Name)                    | Upland to Medium Land with 0 to 3 percent slop.                                                    | Good drainage                                        |
| 3.   | AES-3 (Name)                    | Medium to Low Land with 0 to 3 percent slop.                                                       | Low drainage                                         |
|      |                                 |                                                                                                    |                                                      |
|      |                                 |                                                                                                    |                                                      |
|      |                                 |                                                                                                    |                                                      |

**c) AES-wise major problems**

| S.No | Agro-Ecological Situation (AES) | Major problems                                                                                                                                                                                                                             | Rank |
|------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1.   | AES-1 (Name)                    | Low productivity of Rabi and Summer crops, Crop damage by Insect pest, inadequate irrigation facility, High labour cost, Small and fragmented land, inadequate access to credit facility, Water logged condition during monsoon            |      |
| 2.   | AES-2 (Name)                    | Low productivity of major crops, inadequate irrigation facility, High labour cost, Small and fragmented land, inadequate access to credit facility, Crop damage by Blue bull and wild Boars                                                |      |
| 3.   | AES-3 (Name)                    | Low productivity of major crops, inadequate irrigation facility, High labour cost, Small and fragmented land, inadequate access to credit facility, Crop damage by Blue bull and wild Boars Low water table, Hard rock in lower sub strata |      |
|      |                                 |                                                                                                                                                                                                                                            |      |
|      |                                 |                                                                                                                                                                                                                                            |      |

**2.2. Area, Production and Productivity of major crops cultivated in the district (2024)**

| S. No | Crop       | Area (ha) | Production (MT.) | Productivity (Qt./ha) | Yield gap (q/ha) with respect to demo of last year | Yield gap (q/ha) with respect to potential yield |
|-------|------------|-----------|------------------|-----------------------|----------------------------------------------------|--------------------------------------------------|
| 1     | Rice       | 23850     | 81307            | 34.09                 | 18.31                                              | 19.52                                            |
| 2     | Pigeon Pea | 174       | 250              | 14.37                 | 2.13                                               | 3.52                                             |
| 3     | Wheat      | 23446     | 72262            | 30.82                 | 13.54                                              | 35.18                                            |
| 4     | Potato     | 315       | 3643             | 115.65                | 202.65                                             | 234.35                                           |
| 5     | Onion      | 965       | 11600            | 120.21                | 215.39                                             | 229.79                                           |
| 6     | Maize      | 400       | 1470             | 37.14                 | 98.48                                              | 22.86                                            |
| 7     | Lentil     | 2431      | 2895             | 11.91                 | 0.52                                               | 6                                                |
| 8     | Lathyrus   | 676       | 491              | 7.27                  | 1.03                                               | 13.37                                            |
| 9     | Chickpea   | 844       | 691              | 5.83                  | 8.85                                               | 10.52                                            |
| 10    | Green Gram | 442       | 247              | 5.58                  | 5.22                                               | 4                                                |

|    |         |      |     |      |      |
|----|---------|------|-----|------|------|
| 11 | Mustard | 1133 | 939 | 8.29 | 5.96 |
|----|---------|------|-----|------|------|

Source: : Website: <https://planningonline.bih.nic.in/ESStatistics/Dashboard.aspx> Dept. of Agriculture, GOB; Directorate of Economics and Statistics ,Year 2023-24

### 2.3. Weather data (2023-24)

| Year         | Month     | Rainfall (mm)  | Temperature °C |         | Relative Humidity (%) |         |
|--------------|-----------|----------------|----------------|---------|-----------------------|---------|
|              |           |                | Maximum        | Minimum | Maximum               | Minimum |
| 2024         | January   | 0.49           | 25.24          | 5.37    | 60.59                 |         |
|              | February  | 17.66          | 32.24          | 6.53    | 49.72                 |         |
|              | March     | 25.05          | 40.03          | 11.42   | 39.76                 |         |
|              | April     | 1.66           | 44.86          | 20.89   | 26.2                  |         |
|              | May       | 45.55          | 47.72          | 21.9    | 37.08                 |         |
|              | June      | 72.96          | 47.26          | 28.41   | 40.83                 |         |
|              | July      | 209.3          | 38.77          | 26.42   | 74.0                  |         |
|              | August    | 292.53         | 34.51          | 24.58   | 84.1                  |         |
|              | September | 206.15         | 34.13          | 23.18   | 86.64                 |         |
|              | October   | 30.07          | 32.20          | 19.66   | 81.68                 |         |
|              | November  | 0              | 32.07          | 11.42   | 69.47                 |         |
|              | December  | 0.28           | 28.12          | 6.11    | 61.35                 |         |
| <b>Total</b> |           | <b>901.7</b>   |                |         |                       |         |
| 2025         | January   | 0.14           | 29.87          | 6.63    | 51.48                 |         |
|              | February  | 3.53           | 32.79          | 9.12    | 37.25                 |         |
|              | March     | 5.46           | 41.71          | 12.09   | 28.04                 |         |
|              | April     | 42.11          | 44.94          | 19.19   | 35.01                 |         |
|              | May       | 57.48          | 43.93          | 23.31   | 44.55                 |         |
|              | June      | 170.51         | 42.89          | 26.41   | 55.67                 |         |
|              | July      | 287.43         | 36.8           | 25.64   | 78.59                 |         |
|              | August    | 223.52         | 33.28          | 24.56   | 85.03                 |         |
|              | September | 160.38         | 33.22          | 23.8    | 85.37                 |         |
|              | October   | 149.72         | 31.33          | 18.4    | 83.04                 |         |
|              | November  | 2.13           | 28.49          | 9.97    | 80.86                 |         |
|              | December  | 0              | 24.13          | 5.73    | 80.86                 |         |
|              |           | <b>1102.41</b> |                |         |                       |         |

Source- <https://power.larc.nasa.gov/data-access-viewer/>

### 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2024)

| Category          | Population  | Production            | Productivity        | Productivity gap |
|-------------------|-------------|-----------------------|---------------------|------------------|
| <b>Cattle</b>     |             |                       |                     |                  |
|                   |             |                       |                     |                  |
| <b>Buffalo</b>    | 45524       | 136572 liters/day     | 5 Liters/day        |                  |
| <b>Sheep</b>      | 1422        | 2133 k.g/ annum       | 1.5 kg/Sheep        |                  |
| <b>Goats</b>      | 64753       | 518024 kg Meat        | 8 kg/goat           |                  |
| <b>Cattle</b>     |             |                       |                     |                  |
| <i>Crossbred</i>  | 63000       | 203841 liters/day     | 6 Liters/day        |                  |
| <i>Indigenous</i> | 20000       |                       |                     |                  |
| <b>Pigs</b>       | <b>9433</b> | 113196 kg Meat        | 12 kg Meat/Pig      |                  |
| <b>Poultry</b>    | 39098       | 58647 Kg Meat         | 1.5 Kg/Poultry      |                  |
| Hens              |             |                       |                     |                  |
| <i>Desi</i>       |             |                       |                     |                  |
| <b>Category</b>   |             | <b>Production (q)</b> | <b>Productivity</b> |                  |
| Fish (Reservoir)  | 580 ha      | 1060000 kg            | 2000 kg/ha          |                  |

\*Statcal report

### 2.5 Details of Operational area / Villages

| Taluka | Name of the block | Name of the village                       | Major crops & enterprises                       | Existing yield (q/ha, number/year) | Major problem identified                                                                                                                                                 | Identified Thrust Areas                                                |
|--------|-------------------|-------------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|        | Ariyari           | Maulanagar                                | Paddy, Wheat, Lentil, Livestock                 | -                                  | 1.Non availability of Good quality seed                                                                                                                                  | 1.To produce good quality Seed                                         |
|        |                   | Diha                                      | Paddy, Wheat, Lentil, Livestock                 | -                                  | 2.Infestation of crop diseases and Pests                                                                                                                                 | 2.IPM/IDM                                                              |
|        |                   | Farpur                                    | Paddy, Wheat, Lentil, Livestock                 | -                                  | 3. Poor body weight gain and disease manifestation                                                                                                                       | 3. Care and Disease management in animals                              |
|        |                   | Itahara                                   | Paddy, Wheat, Lentil, Livestock                 | -                                  | 4.Unemployment                                                                                                                                                           | 4. Vocational training in Mushroom Production                          |
|        | Barbigaha         | Kuserhi                                   | Rice, wheat, Lentil, Livestock                  | -                                  | 1.Infestation of crop diseases and Pests                                                                                                                                 | 1. IPM                                                                 |
|        |                   | Kashibigha                                | Dairy Rice, wheat, Lentil, Dairy                | -                                  | 2. Imbalance feeding of Animal & Low milk yield                                                                                                                          | 2. To Follow vaccination of goat & other Animals                       |
|        | Chewara           | Ukasi, Siyani, Karande, Belchhi, Kurmuri, | Rice,Wheat onion, Gram and Lentil, Goatry Dairy | -                                  | 1.Reduction in yield due to excessive tillage<br>2.Imbalance use of fertilizer, pesticide, insecticide in major crops<br>Poor body weight gain and disease manifestation | Conservation agriculture through zero tillage technique, IPM, INM, IDM |
|        |                   |                                           |                                                 | -                                  |                                                                                                                                                                          |                                                                        |

|  |                    |                                                 |                                                           |                                                                                                                                                                                          |                                      |                                 |
|--|--------------------|-------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|
|  | Sheikhpura         | Badshahpur<br>Aijhi<br>Deole<br>Gangti          | Rice,<br>Wheat,<br>Lentil,<br>millets,<br>Goatry<br>Dairy | 1. Imbalance<br>use of<br>fertilizers in<br>Rice and<br>Wheat.<br>2. Wilt in Lentil<br>3. Infestation<br>thrips in onion.<br>4. Poor body<br>weight gain<br>and disease<br>manifestation | INM, Livestock<br>Management<br>IDM  | To produce good<br>quality Seed |
|  | Sheikhpur<br>sarai | Nimi, sadikpur,<br>seikhpur deeh,<br>ambari etc | Rice,<br>Wheat, pulse,<br>oilseed<br>etc                  | Low productivity                                                                                                                                                                         | Training and extension<br>activities | To produce good<br>quality Seed |
|  | Ghatkusumbha       | Gadbadia,<br>Ghatkusumbha,                      | pulse,<br>oilseed etc                                     | Low productivity                                                                                                                                                                         | Training and extension<br>activities | To produce good<br>quality Seed |
|  |                    |                                                 |                                                           |                                                                                                                                                                                          |                                      |                                 |

## 2.6 Top five major priority thrust areas:

|    |                                                                                                                                                |
|----|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Climate Resilient Technology                                                                                                                   |
| 2. | Resource conservation and improved production technologies                                                                                     |
| 3. | Seed and planting material production                                                                                                          |
| 4. | IPM and IDM                                                                                                                                    |
| 5. | Processing and value addition                                                                                                                  |
| 6. | Promotion of water efficient technology like micro irrigation, Mulching etc.                                                                   |
| 7. | Linkage of farmers and Community based organization like FPOs, SHGs, FIG etc. with e-commerce like e-NAM, APEDA, Amazon, Blinkit, Bighaat etc. |

## 3. TECHNICAL PROGRAMME

### 3 A. Details of targeted mandatory activities by KVK

| OFT            |                   | FLD       |                   |                   |
|----------------|-------------------|-----------|-------------------|-------------------|
| (1)            |                   | (2)       |                   |                   |
| Number of OFTs | Number of Farmers | Area (ha) | No of enterprises | Number of Farmers |
| 5              | 60                | 71        | 3                 | 270               |

| Training |  | Extension Activities |  |
|----------|--|----------------------|--|
| (3)      |  | (4)                  |  |

| Number of Courses | Number of Participants | Number of activities | Number of participants |
|-------------------|------------------------|----------------------|------------------------|
| 66                | 1650                   | 179                  | 18760                  |

| Seed Production (Qtl.) | Planting material (Nos.) | Fish seed prod. (Nos) | Soil Samples |
|------------------------|--------------------------|-----------------------|--------------|
| (5)                    | (6)                      | (7)                   | (8)          |
| 250                    | 100000                   | 0                     | 150          |

### 3 B. Abstract of interventions to be undertaken

| S. No | Thrust area | Crop/ Enterprise | Identified Problem | Interventions       |                     |                          |                                                  |                      |                                          |
|-------|-------------|------------------|--------------------|---------------------|---------------------|--------------------------|--------------------------------------------------|----------------------|------------------------------------------|
|       |             |                  |                    | Title of OFT if any | Title of FLD if any | Title of Training if any | Title of training for extension personnel if any | Extension activities | Supply of seeds, planting materials etc. |
| 1     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 2     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 3     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 4     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 5     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 6     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 7     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |
| 8     |             |                  |                    |                     |                     |                          |                                                  |                      |                                          |

### 3.1 Technologies to be assessed

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

| Thematic areas                            | Cereals  | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits   | Flower | Plantation crops | Tuber Crops | TOTAL    |
|-------------------------------------------|----------|----------|--------|------------------|------------|----------|--------|------------------|-------------|----------|
| Varietal Evaluation                       |          |          |        |                  |            |          |        |                  | 1           | 1        |
| Seed / Plant production                   |          |          |        |                  |            |          |        |                  |             |          |
| Weed Management                           | 1        |          |        |                  |            |          |        |                  |             | 1        |
| Integrated Crop Management                |          |          |        |                  |            |          |        |                  |             |          |
| Integrated Nutrient Management            |          |          |        |                  |            |          |        |                  | 1           | 1        |
| Integrated Farming System                 |          |          |        |                  |            |          |        |                  |             |          |
| Mushroom cultivation                      |          |          |        |                  |            |          |        |                  |             |          |
| Drudgery reduction                        |          |          |        |                  |            |          |        |                  |             |          |
| Farm machineries                          |          |          |        |                  |            |          |        |                  |             |          |
| Value addition                            |          |          |        |                  |            |          |        |                  | 1           | 1        |
| Integrated Pest Management                | 1        |          |        |                  |            |          |        |                  |             | 1        |
| Integrated Disease Management             |          |          |        |                  |            | 1        |        |                  |             | 1        |
| Resource conservation technology          |          |          |        |                  |            |          |        |                  |             |          |
| Small Scale income generating enterprises |          |          |        |                  |            |          |        |                  |             |          |
| <b>TOTAL</b>                              | <b>2</b> |          |        |                  |            | <b>1</b> |        |                  | <b>3</b>    | <b>6</b> |

#### A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

| Thematic areas            | Cattle | Poultry | Sheep | Goat | Piggery | Vermi culture | Fisheries | TOTAL |
|---------------------------|--------|---------|-------|------|---------|---------------|-----------|-------|
| Evaluation of Breeds      |        |         |       |      |         |               |           |       |
| Nutrition Management      |        |         |       |      |         |               |           |       |
| Disease of Management     |        |         |       |      |         |               |           |       |
| Value Addition            |        |         |       |      |         |               |           |       |
| Production and Management |        |         |       |      |         |               |           |       |
| Feed and Fodder           |        |         |       |      |         |               |           |       |

|                                           |  |  |  |  |  |  |  |  |
|-------------------------------------------|--|--|--|--|--|--|--|--|
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| <b>TOTAL</b>                              |  |  |  |  |  |  |  |  |

## B. Details of all On Farm Trial in the given format

### OFT-1

|                                           |                                                                                                                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop                                      | enterprise                                                                                                                                                                         |
| Season                                    | Kharif/Rabi/Summer                                                                                                                                                                 |
| Main problem                              | Caking of onion powder during storage                                                                                                                                              |
| Main cause                                | Caking in onion powder occur due to uncontrolled moisture and temperature                                                                                                          |
| Title of OFT                              | Assessment of anticaking agents to control caking problem of onion powder                                                                                                          |
| Farming situation                         | -                                                                                                                                                                                  |
| Thematic area                             | Value addition                                                                                                                                                                     |
| Farmer practice                           | T1:packaging of onion powder in ALP pouches                                                                                                                                        |
| Technology option selected for assessment | T2:addition of maltodextrin@10 percent in onion powder and packaging in ALP pouches<br>T3:addition of tricalcium phosphate@ 1 percent in onion powder and packaging in ALP pouches |
| Source of technology                      | SSSIHL Anantpur A.P, SKUAST kashmir                                                                                                                                                |
| No of trial                               | 10                                                                                                                                                                                 |
| Detail of critical input                  | Maltodextrine,tricalcium phosphate,ALP Pouches,hot sealing machine                                                                                                                 |
| Cost of individual critical input         | Rs. 1000                                                                                                                                                                           |
| Total cost of critical input              | Rs. 7000                                                                                                                                                                           |
| Performance indicator to be recorded      | 1) Sensory evaluation ,2)Economic indicator ( Cost of processing, B:C ratio)<br>(i)3) Shelf life ,4) flow index                                                                    |

### OFT-2

|                   |                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| Crop              | Wheat                                                                                                                     |
| Season            | Rabi                                                                                                                      |
| Main problem      | Broad-leaf weeds (Chenopodium, Melilotus) reduce yield                                                                    |
| Main cause        | Manual weeding is not economically feasible practice in wheat of Schedule farming community under the irrigated situation |
| Title of OFT      | Evaluation of post-emergence herbicides in wheat                                                                          |
| Farming situation | Sandy loam, Medium to upland , Paddy-previous crop                                                                        |
| Thematic area     | IWM                                                                                                                       |

|                                           |                                                                                                                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Farmer practice                           | One hand weeding                                                                                                                                                                                                                              |
| Technology option selected for assessment | T1-Carfentra-zone ethyl 40 g/ha as post-emergence herbicides,(30 DAS)<br>T2-2,4-D Amine salt at 750 g/ha as post-emergence herbicides,(30 DAS)                                                                                                |
| Source of technology                      | Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (M.P.)-2023                                                                                                                                                                                |
| No of trial                               | 10 (Total area 1.0 ha)                                                                                                                                                                                                                        |
| Detail of critical input                  | Weedicide, Iron square (1m <sup>2</sup> ), Seed                                                                                                                                                                                               |
| Cost of individual critical input         | Rs. 1000                                                                                                                                                                                                                                      |
| Total cost of critical input              | Rs. 10000                                                                                                                                                                                                                                     |
| Performance indicator to be recorded      | (i) Technical indicator (Weed Population/m <sup>2</sup> , No of tillers, Effective tillers, grains per panicle, Yield (Q/ha)<br>(ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)<br>(iii) Farmer perception |

### OFT-3

|                                           |                                                                                                                                                                                                                                                                          |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop                                      | Rice                                                                                                                                                                                                                                                                     |
| Season                                    | Kharif                                                                                                                                                                                                                                                                   |
| Main problem                              | Low yield of Rice due to BPH population                                                                                                                                                                                                                                  |
| Main cause                                | Excess nitrogen fertilizer use, high humidity & cloudy weather during late kharif season                                                                                                                                                                                 |
| Title of OFT                              | Performance Evaluation of different insecticide against BPH                                                                                                                                                                                                              |
| Farming situation                         | Sandy loam, Medium to upland , Moong-previous crop                                                                                                                                                                                                                       |
| Thematic area                             | IPM                                                                                                                                                                                                                                                                      |
| Farmer practice                           | T1 Control plot                                                                                                                                                                                                                                                          |
| Technology option selected for assessment | T2 Triflumezopyrim 10 SC @ 235 ml per ha and first spray at 50 DAS (based on ETL) and second sprays at 20 days after first spray.<br>T3 bypymetrozine 50 WG @ 300g and first spray at 50 days after sowing (based on ETL) and second sprays at 20 days after first spray |
| Source of technology                      | Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut-2024                                                                                                                                                                                           |
| No of trial                               | 10 (Total area 1.0 ha)                                                                                                                                                                                                                                                   |

|                                      |                                                                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detail of critical input             | Insecticide, Seed                                                                                                                                                                                                                  |
| Cost of individual critical input    | Rs. 1000                                                                                                                                                                                                                           |
| Total cost of critical input         | Rs. 10000/ha                                                                                                                                                                                                                       |
| Performance indicator to be recorded | (i) Technical indicator (No. of insect / hill, No of tillers, Effective tillers, grains per panicle,<br>(ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio, Yield (q/ha)<br>(iii) Farmer perception |

#### OFT-4

|                                           |                                                                                                                                                                                                            |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop                                      | Onion                                                                                                                                                                                                      |
| Season                                    | Kharif                                                                                                                                                                                                     |
| Main problem                              | Less area under kharif onion                                                                                                                                                                               |
| Main cause                                | Due to lack of suitable variety for kharif season                                                                                                                                                          |
| Title of OFT                              | Assessment of different kharif onion varieties in Sheikhpura District                                                                                                                                      |
| Farming situation                         | Upland , irrigated condition                                                                                                                                                                               |
| Thematic area                             | Varietal evaluation                                                                                                                                                                                        |
| Farmer practice                           | FP- Agrifound Dark Red                                                                                                                                                                                     |
| Technology option selected for assessment | T1-Bhima Dark Red<br>T2-Arka kalyan                                                                                                                                                                        |
| Source of technology                      | IIHR, Hessarghatta, Bangalore, Karnatka                                                                                                                                                                    |
| No of trial                               | 10                                                                                                                                                                                                         |
| Detail of critical input                  | Kharif onion seeds                                                                                                                                                                                         |
| Cost of individual critical input         | 3000                                                                                                                                                                                                       |
| Total cost of critical input              | 30000                                                                                                                                                                                                      |
| Performance indicator to be recorded      | (i) Technical indicator ( Plant height(cm), Bulb Size(diameter), wt of bulb, Yield (Q/ha)<br>(ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)<br>(iii) Farmer perception |

#### OFT-5

|      |       |
|------|-------|
| Crop | Onion |
|------|-------|

|                                           |                                                                                                                                                                                                            |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Season                                    | Kharif/Rabi                                                                                                                                                                                                |
| Main problem                              | Low yield and poor quality of Onion.                                                                                                                                                                       |
| Main cause                                | Deficiency of macro and micro nutrient in the soil.                                                                                                                                                        |
| Title of OFT                              | Assessment of biofertilizer in Onion                                                                                                                                                                       |
| Farming situation                         | Irrigated ,medium land                                                                                                                                                                                     |
| Thematic area                             | Integrated Nutrients Management                                                                                                                                                                            |
| Farmer practice                           | FP- Imbalance use of fertilizers (N:P:K:S::80-150:60-120:60-80:4-8 kg/ha) in onion                                                                                                                         |
| Technology option selected for assessment | T1- RD(N:P:K:S::120:100:100:20 and FYM @100 q/ha<br>T2-75 % of N & P and rest same as TO1+ seedling treatment with azotobacter & PSB culture @ 600g each/ha seedling                                       |
| Source of technology                      | Orisa University of Agriculture and Technology, OUAT, Bhubneshwar,2022                                                                                                                                     |
| No of trial                               | 10                                                                                                                                                                                                         |
| Detail of critical input                  | Azotobacter, PSB                                                                                                                                                                                           |
| Cost of individual critical input         | Rs. 1000                                                                                                                                                                                                   |
| Total cost of critical input              | Rs. 10000                                                                                                                                                                                                  |
| Performance indicator to be recorded      | (i) Technical indicator ( Plant height(cm), Bulb Size(diameter), wt of bulb, Yield (Q/ha)<br>(ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)<br>(iii) Farmer perception |

#### OFT-6

|                                           |                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------|
| Crop                                      | Mango                                                                         |
| Season                                    | Perennial fruit crop                                                          |
| Main problem                              | Fruit drop in Mango                                                           |
| Main cause                                | Hormonal imbalance                                                            |
| Title of OFT                              | Assessment of Fruit Drop management in Mango                                  |
| Farming situation                         | Sandy Loam, Upland , irrigated                                                |
| Thematic area                             | Orchard Management and Fruit production                                       |
| Farmer practice                           | FP –Boron(20%) Spray(0.4%)                                                    |
| Technology option selected for assessment | T1 –Arka Mango Special@ 5g/lit (4 times@2months interval)<br>T2 – NAA @20 ppm |
| Source of technology                      | IIHR, Hessarghatta, Bangalore, Karnatka, 2023                                 |
| No of trial                               | 10                                                                            |

|                                      |                                                                                                                                                                                       |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detail of critical input             | Boron, Arka Mango Special, NAA                                                                                                                                                        |
| Cost of individual critical input    | Rs. 1000                                                                                                                                                                              |
| Total cost of critical input         | Rs. 10000                                                                                                                                                                             |
| Performance indicator to be recorded | (i) Technical indicator (no. of drop fruit/plant, Yield/ plant (kg))<br>(ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)<br>(iii) Farmer perception |

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

| Sl. No. | Crop         | Thematic area               | Technology for demonstration                                                                                                                                                                                                                                                                                                                                       | Critical inputs    | Season and year | Area (ha) | No. of farmer s/ demon | Parameters identified (Yield related attributes, yield economics and farmers' perception) |
|---------|--------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|-----------|------------------------|-------------------------------------------------------------------------------------------|
| 1       | Indian beans | House hold food security    | 1. Early variety kashi bouni sem -18<br>2. Seed rate 3-4 seed per pit<br>3. Seed treatment                                                                                                                                                                                                                                                                         | Kashi bouni sem-18 | Rabi-2026       | 50        | 50                     |                                                                                           |
| 2       | Paddy        | House hold food security    | DRR-67 (also known as DRR Dhan 67) is a <b>zinc-biofortified rice variety</b> , where conventional breeding is used to enhance the zinc content in the grain to address micronutrient deficiency.<br><b>Primary enriched micronutrient:</b> Zinc → ~27.6 ppm (high)<br><b>Other nutrients:</b> Protein → ~8.3%<br>Iron → ~2-3 ppm (normal range, not biofortified) | seed               | Kharif-26       | 4         | 20                     |                                                                                           |
| 3       | Lentil       | Natural Resource Management | 1. Biofortified varieties IPL 220<br>2. Seed rate 40 kg/ha<br>3. Seed treatment (FIR)<br>4. Fertilizer application (20:40:0 – N:P:K)                                                                                                                                                                                                                               | Seed ,             | Rabi-26         | 4         | 20                     |                                                                                           |
| 4       | Paddy        | ICM                         | Short duration and Drought tolerant paddy variety                                                                                                                                                                                                                                                                                                                  | Seed               | Kharif-26       | 10        | 25                     |                                                                                           |

|   |            |                 |                                                                                                                                                                                                     |              |         |            |            |  |
|---|------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|------------|------------|--|
| 5 | Onion      | Yield increment | Onion Seed variety NHRDF Red-3 @ 8 kg/ha                                                                                                                                                            | seed         | Rabi-26 | 2          | 20         |  |
| 6 | Watermelon | ICM             | Yellow Flesh Watermelon                                                                                                                                                                             | Seed         | Rabi-26 | 1          | 10         |  |
| 7 | Mustard    | ICM             | High yielding, maturity duration-123 days, timely sown, irrigated condition, high oil content-up to 37.8 %, Seed rate 5 kg/ha, seed treatment <i>trichoderma viridae</i> 20 g/ kg seed, Azatobactor | Seed         | Rabi-26 | 50         | 125        |  |
|   |            |                 |                                                                                                                                                                                                     | <b>Total</b> |         | <b>121</b> | <b>270</b> |  |

### Sponsored Demonstration

| Crop         | Area (ha) | No. of farmers |
|--------------|-----------|----------------|
| CFLD PULSE   | 10        | 25             |
| CFLD OILSEED | 70        | 175            |

### B. Extension and Training activities under FLDs

| S. No. | Activity                             | No. of activities | Month | Number of participants |
|--------|--------------------------------------|-------------------|-------|------------------------|
| 1      | Farmers Training                     | 3                 |       | 75                     |
| 2      | Field days                           | 3                 |       | 75                     |
| 3      | Media coverage                       | 12                |       | 250                    |
| 4      | Training for extension functionaries | 4                 |       | 100                    |

### C. Details of FLD on Enterprises

#### (i) Farm Implements

| Name of the implement | Crop | Season and year | No. of farmers | Area (ha) | Critical inputs | Performance parameters / indicators |
|-----------------------|------|-----------------|----------------|-----------|-----------------|-------------------------------------|
|                       |      |                 |                |           |                 |                                     |
|                       |      |                 |                |           |                 |                                     |

#### (ii) Livestock Enterprises

| Enterprise              | Breed                                                                                              | No. of farmers | No. of animals, poultry birds/ha. etc. | Critical inputs | Performance parameters / indicators                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------|----------------|----------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------|
| <b>Oyster Mushroom</b>  | Mushroom Spawn P. Ostreatus/P. Florida                                                             | 50             | 2                                      | Mushroom Spawn  | (I) Technical indicator- Yield (q/ha)                                                                      |
| <b>Nutri Garden</b>     | Palak, Carrot, Okra, Drum Stick, Papaya, cucurbits etc to meet the daily requirement of household. | 50             | 10                                     | Vegetable seeds | (II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio |
| <b>Backyard Poultry</b> | Vanraja                                                                                            | 40             | 1000                                   | Chicks, feed    | (III) Farmer Feedback etc.                                                                                 |
|                         |                                                                                                    |                |                                        |                 |                                                                                                            |
|                         |                                                                                                    |                |                                        |                 |                                                                                                            |
|                         |                                                                                                    |                |                                        |                 |                                                                                                            |

Details of all FLD in the given format

#### FLD-1

|                                                     |                                                                                                                                                                                                                                              |                      |           |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|
| <b>Title of FLD</b>                                 | Demonstration of Oyster Mushroom                                                                                                                                                                                                             |                      |           |
| <b>Season &amp; Year</b>                            | Rabi 2026                                                                                                                                                                                                                                    |                      |           |
| <b>Main Problem</b>                                 | Lack of proper Crop Residue Management                                                                                                                                                                                                       |                      |           |
| <b>Main cause of problem</b>                        | Less utilisation of Crop Residue could push farmers for crop residue burning                                                                                                                                                                 |                      |           |
| <b>Full detail of farmer's Practice</b>             | Mushroom production utilizes Crop Residue of major crops particularly wheat and rice as a raw material.                                                                                                                                      |                      |           |
| <b>Full detail of technology to be demonstrated</b> | Mushroom compost will be made with rice/wheat crop residue, poultry manure, salts, water etc. Thereafter the ready compost will be kept in poly bag of 5-10 kg capacity and mushroom spawn will be placed systematically in the compost bag. |                      |           |
| <b>Source of Technology with year</b>               | National Center for Mushroom Chambaghat, Solan HP                                                                                                                                                                                            |                      |           |
| <b>Name of the Technology</b>                       | Mushroom Spawn P. Ostreatus/P. Florida                                                                                                                                                                                                       |                      |           |
| <b>Thematic area</b>                                | Enterprise Development                                                                                                                                                                                                                       |                      |           |
| <b>Name of villages</b>                             | Belchhi, Diha, Pandhar etc.                                                                                                                                                                                                                  |                      |           |
| <b>Farming situation</b>                            | NA                                                                                                                                                                                                                                           |                      |           |
| <b>Area (ha)/Unit (No.)</b>                         | 2.0 Kg spawn /farmer                                                                                                                                                                                                                         | <b>No of farmers</b> | <b>50</b> |
| <b>Performance indicator</b>                        | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio<br>(III) Farmer Feedback etc.                                                            |                      |           |

#### FLD-2

|               |                                                             |
|---------------|-------------------------------------------------------------|
| Title of FLD  | Demonstration on Nutri Garden for Nutritional Food Security |
| Season & Year | 2026                                                        |

|                                              |                                                                                                                                                                                                           |               |    |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| Main Problem                                 | Low intake of seasonal fruit and vegetables                                                                                                                                                               |               |    |
| Main cause of problem                        | Low yield from, unplanned and poorly managed Nutri garden                                                                                                                                                 |               |    |
| Full detail of farmer's Practice             | Nutri garden limited to two or three crops only which restricts round the year vegetable supply etc                                                                                                       |               |    |
| Full detail of technology to be demonstrated | Establishment of Nutri garden with seasonal fruit and vegetable crops like Palak, Carrot, Okra, Drum Stick, Papaya, cucurbits etc to meet the daily requirement of household.                             |               |    |
| Source of Technology with year               | ICAR,IARI                                                                                                                                                                                                 |               |    |
| Name of the Technology                       | Planning & Layout of Nutritional garden                                                                                                                                                                   |               |    |
| Thematic area                                | House hold food security                                                                                                                                                                                  |               |    |
| Name of villages                             | Adopted villages like Diha , Pandhar, Belchi,Devpuri,Hosainabad, Maulanagar etc.                                                                                                                          |               |    |
| Farming situation                            | Upland irrigated                                                                                                                                                                                          |               |    |
| Area (ha)/Unit (No.)                         | 50 Units                                                                                                                                                                                                  | No of farmers | 50 |
| Performance indicator                        | (I) Technical indicator- Yield (q/ha), yield equivalent<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio<br>(III) (III) Farmer Feedback etc. |               |    |

### FLD-3

|                                                     |                                                                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Title of FLD</b>                                 | Demonstration on kashi bouni sem-18                                                        |
| <b>Season &amp; Year</b>                            | Rabi/ 2026                                                                                 |
| <b>Main Problem</b>                                 | Low productivity of Indian bean                                                            |
| <b>Main cause of problem</b>                        | Lack of availability of good quality seed                                                  |
| <b>Full detail of farmer's Practice</b>             | Farmers are growing local varieties , No seed treatment,                                   |
| <b>Full detail of technology to be demonstrated</b> | 1. Early variety kashi bouni sem -18<br>2. Seed rate 3-4 seed per pit<br>3. Seed treatment |

|                                       |                                                                                                                                                                                         |               |    |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Source of Technology with year</b> | IIVR Varanasi ,2022                                                                                                                                                                     |               |    |
| <b>Name of the Technology</b>         | Kashi bouni sem-18                                                                                                                                                                      |               |    |
| <b>Thematic area</b>                  | House hold food security                                                                                                                                                                |               |    |
| <b>Name of villages</b>               | Diha, pandhar, belchhi                                                                                                                                                                  |               |    |
| <b>Farming situation</b>              | Upland irrigated                                                                                                                                                                        |               |    |
| <b>Area (ha)/Unit (No.)</b>           | 50 unit                                                                                                                                                                                 | No of farmers | 50 |
| <b>Performance indicator</b>          | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio<br>(III) (III) Farmer Feedback etc. |               |    |

#### FLD-4

|                                               |                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title of FLD</b>                           | Demonstration of biofortified paddy crop DRR-67                                                                                                                                                                                                                                                                                           |
| <b>Season &amp; year</b>                      | Kharif 2026                                                                                                                                                                                                                                                                                                                               |
| <b>Main Problem</b>                           | Low yield of Rabi crop because of delayed sowing due to long duration paddy                                                                                                                                                                                                                                                               |
| <b>Main cause of problem</b>                  | Late harvesting of Long duration paddy Pan Jamuna, Rajendra Mansuri etc                                                                                                                                                                                                                                                                   |
| <b>Full detail of farmer's Practice</b>       | Farmers are growing long duration Paddy Pan Jamuna, Rajendra Mansuri etc                                                                                                                                                                                                                                                                  |
| <b>Full detail of technology demonstrated</b> | 1. Biofortified<br>2. Seed rate 30 kg/ha<br>3. Seed treatment (Carbendazim 2g/kg seed)<br>4. Fertilizer application as per recommended dose                                                                                                                                                                                               |
| <b>Source of technology with year</b>         | ICAR-IIRR,Hyderabad,2022                                                                                                                                                                                                                                                                                                                  |
| <b>Name of technology</b>                     | DRR-67 (also known as DRR Dhan 67) is a zinc-biofortified rice variety, where conventional breeding is used to enhance the zinc content in the grain to address micronutrient deficiency.<br>Primary enriched micronutrient: Zinc → ~27.6 ppm (high) Other nutrients: Protein → ~8.3%<br>Iron → ~2–3 ppm (normal range, not biofortified) |
| <b>Thematic area</b>                          | Food and nutrition security                                                                                                                                                                                                                                                                                                               |

|                              |                                                                                                                                                                                    |               |    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Name of villages</b>      | Diha, Belchi, Pandhar                                                                                                                                                              |               |    |
| <b>Farming situation</b>     | Medium land irrigated                                                                                                                                                              |               |    |
| <b>Area (ha)/Unit (No.)</b>  | 4                                                                                                                                                                                  | No of farmers | 20 |
| <b>Performance indicator</b> | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio etc.<br>(III) Farmer Feedback- |               |    |

#### FLD-5

|                                                     |                                                                                                                                                                                |               |    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Title of FLD</b>                                 | Demonstration on Lentil variety IPL 220                                                                                                                                        |               |    |
| <b>Season &amp; Year</b>                            | Rabi 2026                                                                                                                                                                      |               |    |
| <b>Main Problem</b>                                 | Poor crop establishment in rice fallow                                                                                                                                         |               |    |
| <b>Main cause of problem</b>                        | Lodging in fertile soils                                                                                                                                                       |               |    |
| <b>Full detail of farmer's Practice</b>             | Farmers are growing local varieties :- Arun -Seed rate 80 kg/ha, No seed treatment,                                                                                            |               |    |
| <b>Full detail of technology to be demonstrated</b> | 1. Biofortified varieties IPL 220<br>2. Seed rate 40 kg/ha<br>3. Seed treatment (FIR)<br>4. Fertilizer application (20:40:0 – N:P:K)                                           |               |    |
| <b>Source of Technology with year</b>               | ICARDA, HYDRABAD                                                                                                                                                               |               |    |
| <b>Name of the Technology</b>                       | Biofortified seeds IPL 220                                                                                                                                                     |               |    |
| <b>Thematic area</b>                                | NRM                                                                                                                                                                            |               |    |
| <b>Name of villages</b>                             | Lohan, Uksi , Camera, Vidyapur , Devpuri                                                                                                                                       |               |    |
| <b>Farming situation</b>                            | Upland irrigated                                                                                                                                                               |               |    |
| <b>Area (ha)/Unit (No.)</b>                         | 4 ha                                                                                                                                                                           | No of farmers | 20 |
| <b>Performance indicator</b>                        | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio (III) Farmer Feedback etc. |               |    |

#### FLD-6

|                                                     |                                                                                                                                                                                                                                                                 |               |    |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Title of FLD</b>                                 | Demonstration of drought tolerant and short duration Paddy variety Sabour Harshit                                                                                                                                                                               |               |    |
| <b>Season &amp; Year</b>                            | Kharif 2026                                                                                                                                                                                                                                                     |               |    |
| <b>Main Problem</b>                                 | Low yield of Rabi crop because of delayed sowing due to long duration paddy                                                                                                                                                                                     |               |    |
| <b>Main cause of problem</b>                        | Late harvesting of Long duration paddy Rajendra Mansuri, MTU-7029 etc                                                                                                                                                                                           |               |    |
| <b>Full detail of farmer's Practice</b>             | Farmers are growing long duration Paddy Rajendra Mansuri, MTU-7029 etc                                                                                                                                                                                          |               |    |
| <b>Full detail of technology to be demonstrated</b> | <ol style="list-style-type: none"> <li>1. Short duration and drought tolerant varieties Sabour Harshit</li> <li>2. Seed rate 30 kg/ha</li> <li>3. Seed treatment (Carbendazim 2g/kg seed)</li> <li>4. Fertilizer application as per soil test result</li> </ol> |               |    |
| <b>Source of Technology with year</b>               | BAU Sabour, Bhagalpur 2018                                                                                                                                                                                                                                      |               |    |
| <b>Name of the Technology</b>                       | Short duration and Drought tolerant paddy variety                                                                                                                                                                                                               |               |    |
| <b>Thematic area</b>                                | ICM                                                                                                                                                                                                                                                             |               |    |
| <b>Name of villages</b>                             | Belchhi, Diha , Devpuri ,Hosainabad, Pandhar, etc.                                                                                                                                                                                                              |               |    |
| <b>Farming situation</b>                            | Medium land irrigated                                                                                                                                                                                                                                           |               |    |
| <b>Area (ha)/Unit (No.)</b>                         | 10 ha                                                                                                                                                                                                                                                           | No of farmers | 25 |
| <b>Performance indicator</b>                        | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio etc.<br>(III) Farmer Feedback-                                                                              |               |    |

#### FLD-7

|                                         |                                                                                                   |  |  |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|--|--|
| <b>Title of FLD</b>                     | Demonstration of Backyard Poultry Breed Vanraja                                                   |  |  |
| <b>Season &amp; Year</b>                | 2026                                                                                              |  |  |
| <b>Main Problem</b>                     | Low Yield of Desi breed                                                                           |  |  |
| <b>Main cause of problem</b>            | Low yield because of old breed                                                                    |  |  |
| <b>Full detail of farmer's Practice</b> | Farmers are using old breed which are having poor growth potential, less egg laying capacity etc. |  |  |

|                                                     |                                                                                                                                                                                    |               |    |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Full detail of technology to be demonstrated</b> | The improved poultry breed Vanraja grow fast and has more egg laying potential @25 bird per farmers                                                                                |               |    |
| <b>Source of Technology with year</b>               | ICAR-DPR(Directorate of Poultry Reserch) Hyderabad                                                                                                                                 |               |    |
| <b>Name of the Technology</b>                       | Improved poultry breed Vanraja                                                                                                                                                     |               |    |
| <b>Thematic area</b>                                | Poultry Management                                                                                                                                                                 |               |    |
| <b>Name of villages</b>                             | Belchhi, Diha, Pandhar etc.                                                                                                                                                        |               |    |
| <b>Farming situation</b>                            | Medium land irrigated                                                                                                                                                              |               |    |
| <b>Area (ha)/Unit (No.)</b>                         | 40 units (25 chicks/farmer)                                                                                                                                                        | No of farmers | 40 |
| <b>Performance indicator</b>                        | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio etc.<br>(III) Farmer Feedback- |               |    |

#### FLD-8

|                                                     |                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title of FLD</b>                                 | Demonstration of high yielding onion variety NHRDF Red-3                                                                                                                                                                             |
| <b>Season &amp; Year</b>                            | Rabi, 2025                                                                                                                                                                                                                           |
| <b>Main Problem</b>                                 | Low yield of Onion                                                                                                                                                                                                                   |
| <b>Main cause of problem</b>                        | Cultivation of local traditional variety Belloria local, Sukh Sagar etc.                                                                                                                                                             |
| <b>Full detail of farmer's Practice</b>             | Farmers generally grow local variety Belloria and Sukhsagar of poor yield potential. So they get less yield than the high yielding newly released variety.                                                                           |
| <b>Full detail of technology to be demonstrated</b> | NHRDF Red-3 Onion variety NHRDF. These seeds produce Onions that are light brown in colour, globular round in shape. Thick neck diameter 5.5-6.0 cm, maturity 120-130 days after transplanting, yield- 350-400 quintals per hectare. |
| <b>Source of Technology with year</b>               | NHRDF, Nasik 2011                                                                                                                                                                                                                    |
| <b>Name of the Technology</b>                       | Onion Seed variety NHRDF Red-3 @ 8 kg/ha                                                                                                                                                                                             |
| <b>Thematic area</b>                                | Yield increment                                                                                                                                                                                                                      |
| <b>Name of villages</b>                             | Chandi, Siyani, Uksi, Maulanagar, Belchhi                                                                                                                                                                                            |
| <b>Farming situation</b>                            | Upland irrigated, soil- sandy loam and clay loam                                                                                                                                                                                     |

|                              |                                                                                                                                                                                              |               |    |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Area (ha)/Unit (No.)</b>  | 2.0 ha                                                                                                                                                                                       | No of farmers | 20 |
| <b>Performance indicator</b> | (I) Technical indicator- Plant height (cm), Bulb weight(gm), Yield-Q/ha<br>(II) Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio etc. |               |    |

#### FLD-9

|                                                     |                                                                                                                                                                                    |               |    |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| <b>Title of FLD</b>                                 | Demonstration on Yellow Flesh Watermelon                                                                                                                                           |               |    |
| <b>Season &amp; Year</b>                            | Rabi 2025                                                                                                                                                                          |               |    |
| <b>Main Problem</b>                                 | Low yield                                                                                                                                                                          |               |    |
| <b>Main cause of problem</b>                        | Old Variety                                                                                                                                                                        |               |    |
| <b>Full detail of farmer's Practice</b>             | Farmers generally grow pink flesh watermelon Variety- Oval dark green, Black ice box                                                                                               |               |    |
| <b>Full detail of technology to be demonstrated</b> | Yellow Flesh Watermelon, variety – Arohi Hybrid                                                                                                                                    |               |    |
| <b>Source of Technology with year</b>               | TNAU, 2022                                                                                                                                                                         |               |    |
| <b>Name of the Technology</b>                       | Yellow Flesh Watermelon                                                                                                                                                            |               |    |
| <b>Thematic area</b>                                | Hybrid Variety                                                                                                                                                                     |               |    |
| <b>Name of villages</b>                             | Nimmi, Sheikhopursarai                                                                                                                                                             |               |    |
| <b>Farming situation</b>                            | Upland irrigated                                                                                                                                                                   |               |    |
| <b>Area (ha)/Unit (No.)</b>                         | 1.0 ha                                                                                                                                                                             | No of farmers | 10 |
| <b>Performance indicator</b>                        | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio etc.<br>(III) Farmer Feedback- |               |    |

#### FLD-10

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Title of FLD</b> | Demonstration of Mustard variety BPM 11/ Variety from Kishanganj |
|---------------------|------------------------------------------------------------------|

|                                                     |                                                                                                                                                                                                                  |               |     |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|
| <b>Season &amp; Year</b>                            | Rabi 2026                                                                                                                                                                                                        |               |     |
| <b>Main Problem</b>                                 | Low yield due to infestation of Aphid in late sown condition                                                                                                                                                     |               |     |
| <b>Main cause of problem</b>                        | Late sowing after harvest of paddy                                                                                                                                                                               |               |     |
| <b>Full detail of farmer's Practice</b>             | Farmers are using house hold seed which is prone to aphid attack causes low yield                                                                                                                                |               |     |
| <b>Full detail of technology to be demonstrated</b> | High yielding, maturity duration-123 days, timely sown, irrigated condition, high oil content-upto 37.8 %, Seed rate 5 kg/ha, seed treatment <i>trichoderma viridae</i> 20 g/ kg seed, Azatobactor 20 g/ kg seed |               |     |
| <b>Source of Technology with year</b>               | DRMR Bharatpur                                                                                                                                                                                                   |               |     |
| <b>Name of the Technology</b>                       | High yielding Mustard variety BPM 11                                                                                                                                                                             |               |     |
| <b>Thematic area</b>                                | ICM                                                                                                                                                                                                              |               |     |
| <b>Name of villages</b>                             | Ghatkusumba.Teus, Kushedi, Sadikpur                                                                                                                                                                              |               |     |
| <b>Farming situation</b>                            | Medium land irrigated                                                                                                                                                                                            |               |     |
| <b>Area (ha)/Unit (No.)</b>                         | 50 ha                                                                                                                                                                                                            | No of farmers | 125 |
| <b>Performance indicator</b>                        | (I) Technical indicator- Yield (q/ha)<br>(II) Economic indicator - Cost of cultivation (Rs/ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio<br>(III) Farmer Feedback etc.                              |               |     |

### 3.3 Training (Including the sponsored and FLD training programmes): **Note: 25 participants per training**

#### A) ON Campus

| Thematic Area                                         | Name of Courses                                                   | No. of Participants |        |       |       |        |       | Grand Total |
|-------------------------------------------------------|-------------------------------------------------------------------|---------------------|--------|-------|-------|--------|-------|-------------|
|                                                       |                                                                   | Others              |        |       | SC/ST |        |       |             |
|                                                       |                                                                   | Male                | Female | Total | Male  | Female | Total |             |
| (A) Farmers & Farm Women                              |                                                                   |                     |        |       |       |        |       |             |
| I Crop Production                                     |                                                                   |                     |        |       |       |        |       |             |
| Weed Management                                       | Weed management in paddy crop under DSR Technique                 | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Resource Conservation Technologies                    | RCT uses                                                          | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Cropping Systems                                      |                                                                   |                     |        |       |       |        |       |             |
| Crop Diversification                                  |                                                                   |                     |        |       |       |        |       |             |
| Site specific nutrient management                     | Soil Health management                                            | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Integrated Farming                                    |                                                                   |                     |        |       |       |        |       |             |
| Water management                                      | Advantage of micro irrigation in crop production                  | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Seed production                                       | Scientific cultivation of chickpea & WHEAT                        | 10                  | 5      | 15    | 5     | 5      | 10    | 50          |
| Nursery management                                    |                                                                   |                     |        |       |       |        |       |             |
| Integrated Crop Management                            |                                                                   |                     |        |       |       |        |       |             |
| Fodder production                                     |                                                                   |                     |        |       |       |        |       |             |
| Production of organic inputs                          |                                                                   |                     |        |       |       |        |       |             |
| Natural farming                                       | Natural farming                                                   | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| II Horticulture                                       |                                                                   |                     |        |       |       |        |       |             |
| a) Vegetable Crops                                    |                                                                   |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         |                                                                   |                     |        |       |       |        |       |             |
| Off-season vegetables                                 | Cultivation of Early summer vegetables                            | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Nursery raising                                       | Techniques for growing Healthy paddy nursery                      | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Exotic vegetables like Broccoli                       | Mulching in Vegetable                                             | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Export potential vegetables                           |                                                                   |                     |        |       |       |        |       |             |
| Grading and standardization                           |                                                                   |                     |        |       |       |        |       |             |
| Protective cultivation (Green Houses, Shade Net etc.) | Protected Cultivation: seedling raising under Shednet/Poly tunnel | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Natural farming                                       |                                                                   |                     |        |       |       |        |       |             |
| b) Fruits                                             |                                                                   |                     |        |       |       |        |       |             |
| Training and Pruning                                  |                                                                   |                     |        |       |       |        |       |             |
| Layout and Management of Orchards                     |                                                                   |                     |        |       |       |        |       |             |
| Cultivation of Fruit                                  |                                                                   |                     |        |       |       |        |       |             |
| Management of young plants/orchards                   |                                                                   |                     |        |       |       |        |       |             |
| Rejuvenation of old orchards                          |                                                                   |                     |        |       |       |        |       |             |
| Export potential fruits                               |                                                                   |                     |        |       |       |        |       |             |
| Micro irrigation systems of orchards                  |                                                                   |                     |        |       |       |        |       |             |
| Plant propagation techniques                          |                                                                   |                     |        |       |       |        |       |             |
| c) Ornamental Plants                                  |                                                                   |                     |        |       |       |        |       |             |
| Nursery Management                                    |                                                                   |                     |        |       |       |        |       |             |
| Management of potted plants                           |                                                                   |                     |        |       |       |        |       |             |
| Export potential of ornamental plants                 |                                                                   |                     |        |       |       |        |       |             |
| Propagation techniques of Ornamental Plants           | Promotion of gladiolus & gerbera in poly house                    | 20                  | 10     | 30    | 10    | 10     | 20    | 50          |
| d) Plantation crops                                   |                                                                   |                     |        |       |       |        |       |             |

|                                                                      |                                                                        |    |    |    |    |    |    |     |
|----------------------------------------------------------------------|------------------------------------------------------------------------|----|----|----|----|----|----|-----|
| Production and Management technology                                 |                                                                        |    |    |    |    |    |    |     |
| Processing and value addition                                        |                                                                        |    |    |    |    |    |    |     |
| <b>e) Tuber crops</b>                                                |                                                                        |    |    |    |    |    |    |     |
| Production and Management technology                                 |                                                                        |    |    |    |    |    |    |     |
| Processing and value addition                                        |                                                                        |    |    |    |    |    |    |     |
| <b>f) Spices</b>                                                     |                                                                        |    |    |    |    |    |    |     |
| Production and Management technology                                 | Processing & value addition of spices (Turmeric)                       | 10 | 5  | 15 | 5  | 5  | 10 | 25  |
| Processing and value addition                                        |                                                                        |    |    |    |    |    |    |     |
| <b>g) Medicinal and Aromatic Plants</b>                              |                                                                        |    |    |    |    |    |    |     |
| Nursery management                                                   |                                                                        |    |    |    |    |    |    |     |
| Production and management technology                                 |                                                                        |    |    |    |    |    |    |     |
| Post harvest technology and value addition                           |                                                                        |    |    |    |    |    |    |     |
| <b>III Soil Health and Fertility Management</b>                      |                                                                        |    |    |    |    |    |    |     |
| Soil fertility management                                            |                                                                        |    |    |    |    |    |    |     |
| Soil and Water Conservation                                          |                                                                        |    |    |    |    |    |    |     |
| Integrated Nutrient Management                                       |                                                                        |    |    |    |    |    |    |     |
| Production and use of organic inputs                                 |                                                                        |    |    |    |    |    |    |     |
| Management of Problematic soils                                      |                                                                        |    |    |    |    |    |    |     |
| Micro nutrient deficiency in crops                                   |                                                                        |    |    |    |    |    |    |     |
| Nutrient Use Efficiency                                              |                                                                        |    |    |    |    |    |    |     |
| Soil and Water Testing                                               |                                                                        |    |    |    |    |    |    |     |
| <b>IV Livestock Production and Management</b>                        |                                                                        |    |    |    |    |    |    |     |
| Dairy Management                                                     |                                                                        |    |    |    |    |    |    |     |
| Poultry Management                                                   |                                                                        |    |    |    |    |    |    |     |
| Piggery Management                                                   |                                                                        |    |    |    |    |    |    |     |
| Rabbit Management/goat                                               |                                                                        |    |    |    |    |    |    |     |
| Disease Management                                                   |                                                                        |    |    |    |    |    |    |     |
| Feed management                                                      |                                                                        |    |    |    |    |    |    |     |
| Production of quality animal products                                |                                                                        |    |    |    |    |    |    |     |
| <b>V Home Science/Women empowerment</b>                              |                                                                        |    |    |    |    |    |    |     |
| Household food security by kitchen gardening and nutrition gardening | Establishment of nutrition garden in backyard farming family house     | 20 | 40 | 60 | 20 | 20 | 40 | 100 |
| Design and development of low/minimum cost diet                      | Development of low cost recipes using local resources                  | 10 | 20 | 30 | 10 | 10 | 20 | 50  |
| Designing and development for high nutrient efficiency diet          | Development of amylase rich food for children                          | 10 | 20 | 30 | 10 | 10 | 20 | 50  |
| Minimization of nutrient loss in processing                          | Technology used in minimization of nutrient loss in day-to-day cooking | 10 | 20 | 30 | 10 | 10 | 20 | 50  |
| Gender mainstreaming through SHGs                                    | Gender mainstreaming through SHGs                                      | 5  | 10 | 15 | 5  | 5  | 10 | 25  |
| Storage loss minimization techniques                                 | Storage loss minimization techniques                                   | 10 | 20 | 30 | 10 | 10 | 20 | 50  |
| Value addition                                                       |                                                                        |    |    |    |    |    |    |     |
| Income generation activities for empowerment of rural Women          |                                                                        |    |    |    |    |    |    |     |
| Location specific drudgery reduction technologies                    |                                                                        |    |    |    |    |    |    |     |
| Rural Crafts                                                         |                                                                        |    |    |    |    |    |    |     |



|                                                         |                                                      |            |            |            |            |            |            |            |
|---------------------------------------------------------|------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Entrepreneurial development of farmers/youths           |                                                      |            |            |            |            |            |            |            |
| WTO and IPR issues                                      |                                                      |            |            |            |            |            |            |            |
| <b>XI Agro-forestry</b>                                 |                                                      |            |            |            |            |            |            |            |
| Production technologies                                 |                                                      |            |            |            |            |            |            |            |
| Nursery management                                      |                                                      |            |            |            |            |            |            |            |
| Integrated Farming Systems                              |                                                      |            |            |            |            |            |            |            |
| <b>XII Others (Pl. Specify)</b>                         |                                                      |            |            |            |            |            |            |            |
| <b>TOTAL</b>                                            |                                                      | <b>195</b> | <b>195</b> | <b>390</b> | <b>130</b> | <b>130</b> | <b>260</b> | <b>650</b> |
| <b>(B) RURAL YOUTH</b>                                  |                                                      |            |            |            |            |            |            |            |
| Mushroom Production                                     | Mushroom production                                  | 15         | 30         | 45         | 15         | 15         | 30         | 75         |
| Bee-keeping                                             |                                                      |            |            |            |            |            |            |            |
| Integrated farming                                      | Integrated farming system                            | 20         | 10         | 30         | 10         | 10         | 20         | 50         |
| Seed production                                         | Seed production                                      | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Production of organic inputs                            | Preparation of organic inputs for Natural farming    | 20         | 10         | 30         | 10         | 10         | 20         | 50         |
| Integrated Farming (Medicinal)                          | Integrated Farming System                            | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Planting material production                            |                                                      |            |            |            |            |            |            |            |
| Vermi-culture                                           | Vermi-culture                                        | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Sericulture                                             |                                                      |            |            |            |            |            |            |            |
| Protected cultivation of vegetable crops                | Gardener Cum Nursery Raiser                          | 5          | 10         | 15         | 5          | 5          | 10         | 25         |
| Commercial fruit production                             |                                                      |            |            |            |            |            |            |            |
| Repair and maintenance of farm machinery and implements |                                                      |            |            |            |            |            |            |            |
| Nursery Management of Horticulture crops                |                                                      |            |            |            |            |            |            |            |
| Training and pruning of orchards                        |                                                      |            |            |            |            |            |            |            |
| Value addition                                          | Fruit & vegetable processing                         | 15         | 30         | 45         | 15         | 15         | 30         | 75         |
| Production of quality animal products                   |                                                      |            |            |            |            |            |            |            |
| Dairying                                                |                                                      |            |            |            |            |            |            |            |
| Sheep and goat rearing                                  |                                                      |            |            |            |            |            |            |            |
| Quail farming                                           |                                                      |            |            |            |            |            |            |            |
| Piggery                                                 |                                                      |            |            |            |            |            |            |            |
| Rabbit farming                                          |                                                      |            |            |            |            |            |            |            |
| Poultry production                                      |                                                      |            |            |            |            |            |            |            |
| Ornamental fisheries                                    |                                                      |            |            |            |            |            |            |            |
| Para vets                                               |                                                      |            |            |            |            |            |            |            |
| Para extension workers                                  |                                                      |            |            |            |            |            |            |            |
| Composite fish culture                                  |                                                      |            |            |            |            |            |            |            |
| Freshwater prawn culture                                |                                                      |            |            |            |            |            |            |            |
| Shrimp farming                                          |                                                      |            |            |            |            |            |            |            |
| Pearl culture                                           |                                                      |            |            |            |            |            |            |            |
| Cold water fisheries                                    |                                                      |            |            |            |            |            |            |            |
| Fish harvest and processing technology                  |                                                      |            |            |            |            |            |            |            |
| Fry and fingerling rearing                              |                                                      |            |            |            |            |            |            |            |
| Small scale processing                                  |                                                      |            |            |            |            |            |            |            |
| Post Harvest Technology                                 |                                                      |            |            |            |            |            |            |            |
| Tailoring and Stitching                                 | Tailoring techniques for women and children's outfit | 5          | 10         | 15         | 5          | 5          | 10         | 25         |
| Rural Crafts                                            | Tye and dye techniques                               | 5          | 10         | 15         | 5          | 5          | 10         | 25         |
| <b>TOTAL</b>                                            |                                                      | <b>115</b> | <b>125</b> | <b>240</b> | <b>80</b>  | <b>80</b>  | <b>160</b> | <b>400</b> |
| <b>(C) Extension Personnel</b>                          |                                                      |            |            |            |            |            |            |            |
| Productivity enhancement in field crops                 |                                                      |            |            |            |            |            |            |            |
| Integrated Pest Management                              |                                                      |            |            |            |            |            |            |            |

|                                                       |                                                                      |            |            |            |            |            |            |             |
|-------------------------------------------------------|----------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|-------------|
| Integrated Nutrient management                        |                                                                      |            |            |            |            |            |            |             |
| Rejuvenation of old orchards                          |                                                                      |            |            |            |            |            |            |             |
| Protected cultivation technology                      | Cultivation of cash crops in controlled environment under poly house | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| Formation and Management of SHGs                      |                                                                      |            |            |            |            |            |            |             |
| Group Dynamics and farmers organization               |                                                                      |            |            |            |            |            |            |             |
| Information networking among farmers                  |                                                                      |            |            |            |            |            |            |             |
| Capacity building for ICT application                 |                                                                      |            |            |            |            |            |            |             |
| Care and maintenance of farm machinery and implements |                                                                      |            |            |            |            |            |            |             |
| WTO and IPR issues                                    |                                                                      |            |            |            |            |            |            |             |
| Management in farm animals                            |                                                                      |            |            |            |            |            |            |             |
| Livestock feed and fodder production                  |                                                                      |            |            |            |            |            |            |             |
| Household food security                               |                                                                      |            |            |            |            |            |            |             |
| Women and Child care                                  |                                                                      |            |            |            |            |            |            |             |
| Low cost and nutrient efficient diet designing        |                                                                      |            |            |            |            |            |            |             |
| Production and use of organic inputs                  |                                                                      |            |            |            |            |            |            |             |
| Gender mainstreaming through SHGs                     |                                                                      |            |            |            |            |            |            |             |
| Any other (Pl. Specify)                               |                                                                      |            |            |            |            |            |            |             |
| <b>TOTAL</b>                                          |                                                                      | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| <b>G. Total</b>                                       |                                                                      | <b>320</b> | <b>325</b> | <b>655</b> | <b>215</b> | <b>215</b> | <b>430</b> | <b>1075</b> |

**B) OFF Campus** **Note: 25 participants per training**

| Thematic Area                                         | No. of Courses                                        | No. of Participants |        |       |       |        |       |             |
|-------------------------------------------------------|-------------------------------------------------------|---------------------|--------|-------|-------|--------|-------|-------------|
|                                                       |                                                       | Others              |        |       | SC/ST |        |       | Grand Total |
|                                                       |                                                       | Male                | Female | Total | Male  | Female | Total |             |
| (A) Farmers & Farm Women                              |                                                       |                     |        |       |       |        |       |             |
| I Crop Production                                     |                                                       |                     |        |       |       |        |       |             |
| Weed Management                                       |                                                       |                     |        |       |       |        |       |             |
| Resource Conservation Technologies                    |                                                       |                     |        |       |       |        |       |             |
| Cropping Systems                                      | Climate resilient crop production practices           | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Crop Diversification                                  | Cropping System diversification                       | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Integrated Farming                                    |                                                       |                     |        |       |       |        |       |             |
| Water management                                      | Water management in paddy crop                        | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Seed production                                       | Cost effective agronomical practices                  | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Nursery management                                    |                                                       |                     |        |       |       |        |       |             |
| Integrated Crop Management                            | Cultivation of Summer Moong                           | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Fodder production                                     |                                                       |                     |        |       |       |        |       |             |
| Production of organic inputs                          |                                                       |                     |        |       |       |        |       |             |
| II Horticulture                                       |                                                       |                     |        |       |       |        |       |             |
| a) Vegetable Crops                                    |                                                       |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         | Cultivation of high value crop: Dragon Fruit          | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Off-season vegetables                                 | Importance of balance use of fertilizer in vegetables | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Nursery raising                                       | Quality nursery raising of vegetables seedling        | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Exotic vegetables like Broccoli                       |                                                       |                     |        |       |       |        |       |             |
| Export potential vegetables                           |                                                       |                     |        |       |       |        |       |             |
| Grading and standardization                           |                                                       |                     |        |       |       |        |       |             |
| Protective cultivation (Green Houses, Shade Net etc.) |                                                       |                     |        |       |       |        |       |             |
| b) Fruits                                             |                                                       |                     |        |       |       |        |       |             |
| Training and Pruning                                  |                                                       |                     |        |       |       |        |       |             |
| Layout and Management of Orchards                     | Care of orchard in Summer season                      | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Cultivation of Fruit                                  |                                                       |                     |        |       |       |        |       |             |
| Management of young plants/orchards                   |                                                       |                     |        |       |       |        |       |             |

|                                                                      |                                                                |    |   |    |   |   |    |    |
|----------------------------------------------------------------------|----------------------------------------------------------------|----|---|----|---|---|----|----|
| Rejuvenation of old orchards                                         | Rejuvenation of Orchards                                       | 10 | 5 | 15 | 5 | 5 | 10 | 25 |
| Export potential fruits                                              |                                                                |    |   |    |   |   |    |    |
| Micro irrigation systems of orchards                                 |                                                                |    |   |    |   |   |    |    |
| Plant propagation techniques                                         |                                                                |    |   |    |   |   |    |    |
| <b>c) Ornamental Plants</b>                                          |                                                                |    |   |    |   |   |    |    |
| Nursery Management                                                   |                                                                |    |   |    |   |   |    |    |
| Management of potted plants                                          |                                                                |    |   |    |   |   |    |    |
| Export potential of ornamental plants                                |                                                                |    |   |    |   |   |    |    |
| Propagation techniques of Ornamental Plants                          |                                                                |    |   |    |   |   |    |    |
| <b>d) Plantation crops</b>                                           |                                                                |    |   |    |   |   |    |    |
| Production and Management technology                                 |                                                                |    |   |    |   |   |    |    |
| Processing and value addition                                        | Production of off season vegetables to fetch good income       | 10 | 5 | 15 | 5 | 5 | 10 | 25 |
| <b>e) Tuber crops</b>                                                |                                                                |    |   |    |   |   |    |    |
| Production and Management technology                                 | Scientific cultivation of Potato                               | 10 | 5 | 15 | 5 | 5 | 10 | 25 |
| Processing and value addition                                        |                                                                |    |   |    |   |   |    |    |
| <b>f) Spices</b>                                                     |                                                                |    |   |    |   |   |    |    |
| Production and Management technology                                 |                                                                |    |   |    |   |   |    |    |
| Processing and value addition                                        |                                                                |    |   |    |   |   |    |    |
| <b>g) Medicinal and Aromatic Plants</b>                              |                                                                |    |   |    |   |   |    |    |
| Nursery management                                                   |                                                                |    |   |    |   |   |    |    |
| Production and management technology                                 |                                                                |    |   |    |   |   |    |    |
| Post harvest technology and value addition                           |                                                                |    |   |    |   |   |    |    |
| <b>III Soil Health and Fertility Management</b>                      |                                                                |    |   |    |   |   |    |    |
| Soil fertility management                                            | Soil health and fertility management                           | 10 | 5 | 15 | 5 | 5 | 10 | 25 |
| Soil and Water Conservation                                          |                                                                |    |   |    |   |   |    |    |
| Integrated Nutrient Management                                       | Micro nutrient deficiency symptoms and its management in crops | 10 | 5 | 15 | 5 | 5 | 10 | 25 |
| Production and use of organic inputs                                 |                                                                |    |   |    |   |   |    |    |
| Management of Problematic soils                                      |                                                                |    |   |    |   |   |    |    |
| Micro nutrient deficiency in crops                                   |                                                                |    |   |    |   |   |    |    |
| Nutrient Use Efficiency                                              |                                                                |    |   |    |   |   |    |    |
| Soil and Water Testing                                               |                                                                |    |   |    |   |   |    |    |
| <b>IV Livestock Production and Management</b>                        |                                                                |    |   |    |   |   |    |    |
| Dairy Management                                                     |                                                                |    |   |    |   |   |    |    |
| Poultry Management                                                   |                                                                |    |   |    |   |   |    |    |
| Piggery Management                                                   |                                                                |    |   |    |   |   |    |    |
| Rabbit Management /goat                                              |                                                                |    |   |    |   |   |    |    |
| Disease Management                                                   |                                                                |    |   |    |   |   |    |    |
| Feed management                                                      |                                                                |    |   |    |   |   |    |    |
| Production of quality animal products                                |                                                                |    |   |    |   |   |    |    |
| <b>V Home Science/Women empowerment</b>                              |                                                                |    |   |    |   |   |    |    |
| Household food security by kitchen gardening and nutrition gardening |                                                                |    |   |    |   |   |    |    |

|                                                             |                                                                  |    |    |    |    |    |    |    |
|-------------------------------------------------------------|------------------------------------------------------------------|----|----|----|----|----|----|----|
| Design and development of low/minimum cost diet             |                                                                  |    |    |    |    |    |    |    |
| Designing and development for high nutrient efficiency diet |                                                                  |    |    |    |    |    |    |    |
| Minimization of nutrient loss in processing                 |                                                                  |    |    |    |    |    |    |    |
| Gender mainstreaming through SHGs                           | Gender mainstreaming through SHGs                                | 10 | 5  | 15 | 5  | 5  | 10 | 25 |
| Storage loss minimization techniques                        |                                                                  |    |    |    |    |    |    |    |
| Value addition                                              | Banana Chips Making, Making of candy with Strawberry, Guava etc. | 10 | 20 | 30 | 10 | 10 | 20 | 50 |
| Income generation activities for empowerment of rural Women |                                                                  |    |    |    |    |    |    |    |
| Location specific drudgery reduction technologies           |                                                                  |    |    |    |    |    |    |    |
| Rural Crafts                                                |                                                                  |    |    |    |    |    |    |    |
| Women and child care                                        |                                                                  |    |    |    |    |    |    |    |
| <b>VI Agril. Engineering</b>                                |                                                                  |    |    |    |    |    |    |    |
| Installation and maintenance of micro irrigation systems    |                                                                  |    |    |    |    |    |    |    |
| Use of Plastics in farming practices                        |                                                                  |    |    |    |    |    |    |    |
| Production of small tools and implements                    |                                                                  |    |    |    |    |    |    |    |
| Repair and maintenance of farm machinery and implements     |                                                                  |    |    |    |    |    |    |    |
| Small scale processing and value addition                   |                                                                  |    |    |    |    |    |    |    |
| Post Harvest Technology                                     |                                                                  |    |    |    |    |    |    |    |
| <b>VII Plant Protection</b>                                 |                                                                  |    |    |    |    |    |    |    |
| Integrated Pest Management                                  |                                                                  |    |    |    |    |    |    |    |
| Integrated Disease Management                               | Pest and Disease Management in Paddy                             | 10 | 5  | 15 | 5  | 5  | 10 | 25 |
| Bio-control of pests and diseases                           |                                                                  |    |    |    |    |    |    |    |
| Production of bio control agents and bio pesticides         |                                                                  |    |    |    |    |    |    |    |
| <b>VIII Fisheries</b>                                       |                                                                  |    |    |    |    |    |    |    |
| Integrated fish farming                                     |                                                                  |    |    |    |    |    |    |    |
| Carp breeding and hatchery management                       |                                                                  |    |    |    |    |    |    |    |
| Carp fry and fingerling rearing                             |                                                                  |    |    |    |    |    |    |    |
| Composite fish culture                                      |                                                                  |    |    |    |    |    |    |    |
| Hatchery management and culture of freshwater prawn         |                                                                  |    |    |    |    |    |    |    |
| Breeding and culture of ornamental fishes                   |                                                                  |    |    |    |    |    |    |    |
| Portable plastic carp hatchery                              |                                                                  |    |    |    |    |    |    |    |
| Pen culture of fish and prawn                               |                                                                  |    |    |    |    |    |    |    |
| Shrimp farming                                              |                                                                  |    |    |    |    |    |    |    |
| Edible oyster farming                                       |                                                                  |    |    |    |    |    |    |    |
| Pearl culture                                               |                                                                  |    |    |    |    |    |    |    |

|                                                      |                                          |            |           |            |           |           |            |            |
|------------------------------------------------------|------------------------------------------|------------|-----------|------------|-----------|-----------|------------|------------|
| Fish processing and value addition                   |                                          |            |           |            |           |           |            |            |
| <b>IX Production of Inputs at site</b>               |                                          |            |           |            |           |           |            |            |
| Seed Production                                      |                                          |            |           |            |           |           |            |            |
| Planting material production (Horti.)                |                                          |            |           |            |           |           |            |            |
| Bio-agents production                                |                                          |            |           |            |           |           |            |            |
| Bio-pesticides production                            |                                          |            |           |            |           |           |            |            |
| Bio-fertilizer production                            |                                          |            |           |            |           |           |            |            |
| Vermi-compost production (Horti.)                    |                                          |            |           |            |           |           |            |            |
| Organic manures production (A.S.)                    |                                          |            |           |            |           |           |            |            |
| Production of fry and fingerlings                    |                                          |            |           |            |           |           |            |            |
| Production of Bee-colonies and wax sheets            |                                          |            |           |            |           |           |            |            |
| Small tools and implements                           |                                          |            |           |            |           |           |            |            |
| Production of livestock feed and fodder              |                                          |            |           |            |           |           |            |            |
| Production of Fish feed                              |                                          |            |           |            |           |           |            |            |
| <b>X Capacity Building and Group Dynamics</b>        |                                          |            |           |            |           |           |            |            |
| Leadership development                               |                                          |            |           |            |           |           |            |            |
| Group dynamics                                       | SHG<br>formation<br>and<br>strengthening | 10         | 5         | 15         | 5         | 5         | 10         | 25         |
| Formation and Management of SHGs(HS)                 |                                          |            |           |            |           |           |            |            |
| Mobilization of social capital                       |                                          |            |           |            |           |           |            |            |
| Entrepreneurial development of farmers/youths (Agro) |                                          |            |           |            |           |           |            |            |
| WTO and IPR issues                                   |                                          |            |           |            |           |           |            |            |
| <b>XI Agro-forestry</b>                              |                                          |            |           |            |           |           |            |            |
| Production technologies                              |                                          |            |           |            |           |           |            |            |
| Nursery management                                   |                                          |            |           |            |           |           |            |            |
| Integrated Farming Systems (Agro)                    |                                          |            |           |            |           |           |            |            |
| <b>XII Others (Pl. Specify)</b>                      |                                          |            |           |            |           |           |            |            |
| <b>TOTAL</b>                                         |                                          | <b>180</b> | <b>90</b> | <b>270</b> | <b>90</b> | <b>90</b> | <b>180</b> | <b>450</b> |

|                                                       |                                                   |            |            |            |            |            |            |            |
|-------------------------------------------------------|---------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| <b>(C) Extension Personnel</b>                        |                                                   |            |            |            |            |            |            |            |
| Productivity enhancement in field crops               | Millet processing                                 | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Integrated Pest Management                            | IPM in pulse crop                                 | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Integrated Nutrient management                        | INM in wheat crop                                 | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Rejuvenation of old orchards                          |                                                   |            |            |            |            |            |            |            |
| Protected cultivation technology                      |                                                   |            |            |            |            |            |            |            |
| Formation and Management of SHGs                      | SHG formation and strengthening                   | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Group Dynamics and farmers organization               |                                                   |            |            |            |            |            |            |            |
| Information networking among farmers                  |                                                   |            |            |            |            |            |            |            |
| Capacity building for ICT application                 |                                                   |            |            |            |            |            |            |            |
| Care and maintenance of farm machinery and implements | Location specific drudgery reduction technologies | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| WTO and IPR issues                                    |                                                   |            |            |            |            |            |            |            |
| Management in farm animals                            |                                                   |            |            |            |            |            |            |            |
| Livestock feed and fodder production                  |                                                   |            |            |            |            |            |            |            |
| Household food security                               |                                                   |            |            |            |            |            |            |            |
| Women and Child care                                  | Diet in diseases                                  | 5          | 10         | 15         | 5          | 5          | 10         | 25         |
| Low cost and nutrient efficient diet designing        |                                                   |            |            |            |            |            |            |            |
| Production and use of organic inputs                  | Natural farming                                   | 10         | 5          | 15         | 5          | 5          | 10         | 25         |
| Gender mainstreaming through SHGs                     |                                                   |            |            |            |            |            |            |            |
| Any other (Pl. Specify)                               |                                                   |            |            |            |            |            |            |            |
| <b>TOTAL</b>                                          |                                                   | <b>65</b>  | <b>40</b>  | <b>105</b> | <b>35</b>  | <b>35</b>  | <b>70</b>  | <b>175</b> |
| <b>G. Total</b>                                       |                                                   | <b>245</b> | <b>130</b> | <b>375</b> | <b>125</b> | <b>125</b> | <b>250</b> | <b>625</b> |

**C) Consolidated table (ON and OFF Campus)**

| Thematic Area                                         | No. of Courses                                                      | No. of Participants |        |       |       |        |       | Grand Total |
|-------------------------------------------------------|---------------------------------------------------------------------|---------------------|--------|-------|-------|--------|-------|-------------|
|                                                       |                                                                     | Others              |        |       | SC/ST |        |       |             |
|                                                       |                                                                     | Male                | Female | Total | Male  | Female | Total |             |
| (A) Farmers & Farm Women                              |                                                                     |                     |        |       |       |        |       |             |
| I Crop Production                                     |                                                                     |                     |        |       |       |        |       |             |
| Weed Management                                       | Weed management in paddy crop under DSR Technique                   | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Resource Conservation Technologies                    | RCT uses                                                            | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Cropping Systems                                      |                                                                     |                     |        |       |       |        |       |             |
| Crop Diversification                                  | Cropping System diversification                                     | 20                  | 10     | 30    | 10    | 10     | 20    | 50          |
| Integrated Farming                                    | Climate resilient crop production practices                         | 20                  | 10     | 30    | 10    | 10     | 20    | 50          |
| Water management                                      | Advantage of micro irrigation in crop production                    | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Seed production                                       | Scientific cultivation of chickpea & WHEAT                          | 20                  | 10     | 30    | 10    | 10     | 20    | 50          |
| Nursery management                                    |                                                                     |                     |        |       |       |        |       |             |
| Integrated Crop Management                            | Cultivation of Summer Moong                                         | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Fodder production                                     |                                                                     |                     |        |       |       |        |       |             |
| Production of organic inputs                          | Natural farming                                                     | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| II Horticulture                                       |                                                                     |                     |        |       |       |        |       |             |
| a) Vegetable Crops                                    |                                                                     |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         | Cultivation of high value crop: Dragon Fruit                        | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Off-season vegetables                                 | Cultivation of Early summer vegetables                              | 20                  | 10     | 30    | 10    | 10     | 20    | 50          |
| Nursery raising                                       | Techniques for growing Healthy paddy nursery and vegetable seedling | 20                  | 10     | 30    | 10    | 10     | 20    | 50          |
| Exotic vegetables like Broccoli                       | Mulching in Vegetable                                               | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Export potential vegetables                           |                                                                     |                     |        |       |       |        |       |             |
| Grading and standardization                           |                                                                     |                     |        |       |       |        |       |             |
| Protective cultivation (Green Houses, Shade Net etc.) | Protected Cultivation: seedling raising under Shednet/Poly tunnel   | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| b) Fruits                                             |                                                                     |                     |        |       |       |        |       |             |
| Training and Pruning                                  |                                                                     |                     |        |       |       |        |       |             |
| Layout and Management of Orchards                     | Care of orchard in Summer season                                    | 10                  | 5      | 15    | 5     | 5      | 10    | 25          |
| Cultivation of Fruit                                  |                                                                     |                     |        |       |       |        |       |             |
| Management of young plants/orchards                   |                                                                     |                     |        |       |       |        |       |             |

|                                                                      |                                                                    |    |    |    |    |    |    |     |
|----------------------------------------------------------------------|--------------------------------------------------------------------|----|----|----|----|----|----|-----|
| Rejuvenation of old orchards                                         | Rejuvenation of Orchards                                           | 10 | 5  | 15 | 5  | 5  | 10 | 25  |
| Export potential fruits                                              |                                                                    |    |    |    |    |    |    |     |
| Micro irrigation systems of orchards                                 |                                                                    |    |    |    |    |    |    |     |
| Plant propagation techniques                                         |                                                                    |    |    |    |    |    |    |     |
| <b>c) Ornamental Plants</b>                                          |                                                                    |    |    |    |    |    |    |     |
| Nursery Management                                                   |                                                                    |    |    |    |    |    |    |     |
| Management of potted plants                                          |                                                                    |    |    |    |    |    |    |     |
| Export potential of ornamental plants                                |                                                                    |    |    |    |    |    |    |     |
| Propagation techniques of Ornamental Plants                          | Promotion of gladiolus & gerbera in poly house                     | 10 | 5  | 15 | 5  | 5  | 10 | 25  |
| <b>d) Plantation crops</b>                                           |                                                                    |    |    |    |    |    |    |     |
| Production and Management technology                                 |                                                                    |    |    |    |    |    |    |     |
| Processing and value addition                                        | Production of off season vegetables to fetch good income           | 10 | 5  | 15 | 5  | 5  | 10 | 25  |
| <b>e) Tuber crops</b>                                                |                                                                    |    |    |    |    |    |    |     |
| Production and Management technology                                 | Scientific cultivation of Potato                                   | 10 | 5  | 15 | 5  | 5  | 10 | 25  |
| Processing and value addition                                        |                                                                    |    |    |    |    |    |    |     |
| <b>f) Spices</b>                                                     |                                                                    |    |    |    |    |    |    |     |
| Production and Management technology                                 | Processing & value addition of spices (Turmeric)                   | 10 | 5  | 15 | 5  | 5  | 10 | 25  |
| Processing and value addition                                        |                                                                    |    |    |    |    |    |    |     |
| <b>g) Medicinal and Aromatic Plants</b>                              |                                                                    |    |    |    |    |    |    |     |
| Nursery management                                                   |                                                                    |    |    |    |    |    |    |     |
| Production and management technology                                 |                                                                    |    |    |    |    |    |    |     |
| Post harvest technology and value addition                           |                                                                    |    |    |    |    |    |    |     |
| <b>III Soil Health and Fertility Management</b>                      |                                                                    |    |    |    |    |    |    |     |
| Soil fertility management                                            |                                                                    |    |    |    |    |    |    |     |
| Soil and Water Conservation                                          |                                                                    |    |    |    |    |    |    |     |
| Integrated Nutrient Management                                       |                                                                    |    |    |    |    |    |    |     |
| Production and use of organic inputs                                 |                                                                    |    |    |    |    |    |    |     |
| Management of Problematic soils                                      |                                                                    |    |    |    |    |    |    |     |
| Micro nutrient deficiency in crops                                   |                                                                    |    |    |    |    |    |    |     |
| Nutrient Use Efficiency                                              |                                                                    |    |    |    |    |    |    |     |
| Soil and Water Testing                                               |                                                                    |    |    |    |    |    |    |     |
| <b>IV Livestock Production and Management</b>                        |                                                                    |    |    |    |    |    |    |     |
| Dairy Management                                                     |                                                                    |    |    |    |    |    |    |     |
| Poultry Management                                                   |                                                                    |    |    |    |    |    |    |     |
| Piggery Management                                                   |                                                                    |    |    |    |    |    |    |     |
| Rabbit Management/goat                                               |                                                                    |    |    |    |    |    |    |     |
| Disease Management                                                   |                                                                    |    |    |    |    |    |    |     |
| Feed management                                                      |                                                                    |    |    |    |    |    |    |     |
| Production of quality animal products                                |                                                                    |    |    |    |    |    |    |     |
| <b>V Home Science/Women empowerment</b>                              |                                                                    |    |    |    |    |    |    |     |
| Household food security by kitchen gardening and nutrition gardening | Establishment of nutrition garden in backyard farming family house | 20 | 40 | 60 | 20 | 20 | 40 | 100 |
| Design and development of low/minimum cost diet                      | Development of low cost recipes using local resources              | 10 | 20 | 30 | 10 | 10 | 20 | 50  |

|                                                             |                                                                        |    |    |    |    |    |    |    |
|-------------------------------------------------------------|------------------------------------------------------------------------|----|----|----|----|----|----|----|
| Designing and development for high nutrient efficiency diet | Development of amylase rich food for children                          | 10 | 20 | 30 | 10 | 10 | 20 | 50 |
| Minimization of nutrient loss in processing                 | Technology used in minimization of nutrient loss in day-to-day cooking | 10 | 20 | 30 | 10 | 10 | 20 | 50 |
| Gender mainstreaming through SHGs                           | Gender mainstreaming through SHGs                                      | 10 | 20 | 30 | 10 | 10 | 20 | 50 |
| Storage loss minimization techniques                        | Storage loss minimization techniques                                   | 10 | 20 | 30 | 10 | 10 | 20 | 50 |
| Value addition                                              | Banana Chips Making, Making of candy with Strawberry, Guava etc.       | 10 | 20 | 30 | 10 | 10 | 20 | 50 |
| Income generation activities for empowerment of rural Women |                                                                        |    |    |    |    |    |    |    |
| Location specific drudgery reduction technologies           |                                                                        |    |    |    |    |    |    |    |
| Rural Crafts                                                |                                                                        |    |    |    |    |    |    |    |
| Women and child care                                        |                                                                        |    |    |    |    |    |    |    |
| <b>VI Agril. Engineering</b>                                |                                                                        |    |    |    |    |    |    |    |
| Installation and maintenance of micro irrigation systems    |                                                                        |    |    |    |    |    |    |    |
| Use of Plastics in farming practices                        |                                                                        |    |    |    |    |    |    |    |
| Production of small tools and implements                    |                                                                        |    |    |    |    |    |    |    |
| Repair and maintenance of farm machinery and implements     |                                                                        |    |    |    |    |    |    |    |
| Small scale processing and value addition                   |                                                                        |    |    |    |    |    |    |    |
| Post Harvest Technology                                     |                                                                        |    |    |    |    |    |    |    |
| <b>VII Plant Protection</b>                                 |                                                                        |    |    |    |    |    |    |    |
| Integrated Pest Management                                  |                                                                        |    |    |    |    |    |    |    |
| Integrated Disease Management                               | Pest and Disease Management in Paddy                                   | 10 | 5  | 15 | 5  | 5  | 10 | 25 |
| Bio-control of pests and diseases                           |                                                                        |    |    |    |    |    |    |    |
| Production of bio control agents and bio pesticides         |                                                                        |    |    |    |    |    |    |    |
| <b>VIII Fisheries</b>                                       |                                                                        |    |    |    |    |    |    |    |
| Integrated fish farming                                     |                                                                        |    |    |    |    |    |    |    |
| Carp breeding and hatchery management                       |                                                                        |    |    |    |    |    |    |    |
| Carp fry and fingerling rearing                             |                                                                        |    |    |    |    |    |    |    |
| Composite fish culture                                      |                                                                        |    |    |    |    |    |    |    |
| Hatchery management and culture of freshwater prawn         |                                                                        |    |    |    |    |    |    |    |
| Breeding and culture of ornamental fishes                   |                                                                        |    |    |    |    |    |    |    |
| Portable plastic carp hatchery                              |                                                                        |    |    |    |    |    |    |    |
| Pen culture of fish and prawn                               |                                                                        |    |    |    |    |    |    |    |
| Shrimp farming                                              |                                                                        |    |    |    |    |    |    |    |
| Edible oyster farming                                       |                                                                        |    |    |    |    |    |    |    |
| Pearl culture                                               |                                                                        |    |    |    |    |    |    |    |
| Fish processing and value addition                          |                                                                        |    |    |    |    |    |    |    |
| <b>IX Production of Inputs at site</b>                      |                                                                        |    |    |    |    |    |    |    |
| Seed Production                                             |                                                                        |    |    |    |    |    |    |    |
| Planting material production                                |                                                                        |    |    |    |    |    |    |    |
| Bio-agents production                                       |                                                                        |    |    |    |    |    |    |    |
| Bio-pesticides production                                   |                                                                        |    |    |    |    |    |    |    |
| Bio-fertilizer production                                   |                                                                        |    |    |    |    |    |    |    |
| Vermi-compost production                                    |                                                                        |    |    |    |    |    |    |    |
| Organic manures production                                  |                                                                        |    |    |    |    |    |    |    |

|                                                         |                                                   |            |            |            |            |            |            |             |
|---------------------------------------------------------|---------------------------------------------------|------------|------------|------------|------------|------------|------------|-------------|
| Production of fry and fingerlings                       |                                                   |            |            |            |            |            |            |             |
| Production of Bee-colonies and wax sheets               |                                                   |            |            |            |            |            |            |             |
| Small tools and implements                              |                                                   |            |            |            |            |            |            |             |
| Production of livestock feed and fodder                 |                                                   |            |            |            |            |            |            |             |
| Production of Fish feed                                 |                                                   |            |            |            |            |            |            |             |
| <b>X Capacity Building and Group Dynamics</b>           |                                                   |            |            |            |            |            |            |             |
| Leadership development                                  |                                                   |            |            |            |            |            |            |             |
| Group dynamics                                          | SHG formation and strengthening                   | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| Formation and Management of SHGs/FPOs etc               |                                                   |            |            |            |            |            |            |             |
| Mobilization of social capital                          |                                                   |            |            |            |            |            |            |             |
| Entrepreneurial development of farmers/youths           |                                                   |            |            |            |            |            |            |             |
| WTO and IPR issues                                      |                                                   |            |            |            |            |            |            |             |
| <b>XI Agro-forestry</b>                                 |                                                   |            |            |            |            |            |            |             |
| Production technologies                                 |                                                   |            |            |            |            |            |            |             |
| Nursery management                                      |                                                   |            |            |            |            |            |            |             |
| Integrated Farming Systems                              |                                                   |            |            |            |            |            |            |             |
| <b>XII Others (PI. Specify)</b>                         |                                                   |            |            |            |            |            |            |             |
| <b>TOTAL</b>                                            |                                                   | <b>340</b> | <b>290</b> | <b>630</b> | <b>210</b> | <b>210</b> | <b>420</b> | <b>1050</b> |
| <b>(B) RURAL YOUTH</b>                                  |                                                   |            |            |            |            |            |            |             |
| Mushroom Production                                     | Mushroom production                               | 15         | 30         | 45         | 15         | 15         | 30         | 75          |
| Bee-keeping                                             | Integrated farming system                         | 20         | 10         | 30         | 10         | 10         | 20         | 50          |
| Integrated farming                                      | Seed production                                   | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| Seed production                                         | Preparation of organic inputs for Natural farming | 20         | 10         | 30         | 10         | 10         | 20         | 50          |
| Production of organic inputs                            | Integrated Farming System                         | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| Planting material production                            |                                                   |            |            |            |            |            |            |             |
| Vermi-culture                                           | Vermi-culture                                     | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| Sericulture                                             |                                                   |            |            |            |            |            |            |             |
| Protected cultivation of vegetable crops                | Gardener Cum Nursery Raiser                       | 10         | 5          | 15         | 5          | 5          | 10         | 25          |
| Commercial fruit production                             |                                                   |            |            |            |            |            |            |             |
| Repair and maintenance of farm machinery and implements |                                                   |            |            |            |            |            |            |             |
| Nursery Management of Horticulture crops                |                                                   |            |            |            |            |            |            |             |
| Training and pruning of orchards                        |                                                   |            |            |            |            |            |            |             |
| Value addition                                          | Fruit & vegetable processing                      | 15         | 30         | 45         | 15         | 15         | 30         | 75          |
| Production of quality animal products                   |                                                   |            |            |            |            |            |            |             |
| Dairying                                                |                                                   |            |            |            |            |            |            |             |
| Sheep and goat rearing                                  |                                                   |            |            |            |            |            |            |             |
| Quail farming                                           |                                                   |            |            |            |            |            |            |             |
| Piggery                                                 |                                                   |            |            |            |            |            |            |             |
| Rabbit farming                                          |                                                   |            |            |            |            |            |            |             |
| Poultry production                                      |                                                   |            |            |            |            |            |            |             |
| Ornamental fisheries                                    |                                                   |            |            |            |            |            |            |             |
| Para vets                                               |                                                   |            |            |            |            |            |            |             |
| Para extension workers                                  |                                                   |            |            |            |            |            |            |             |
| Composite fish culture                                  |                                                   |            |            |            |            |            |            |             |
| Freshwater prawn culture                                |                                                   |            |            |            |            |            |            |             |
| Shrimp farming                                          |                                                   |            |            |            |            |            |            |             |
| Pearl culture                                           |                                                   |            |            |            |            |            |            |             |
| Cold water fisheries                                    |                                                   |            |            |            |            |            |            |             |
| Fish harvest and processing technology                  |                                                   |            |            |            |            |            |            |             |
| Fry and fingerling rearing                              |                                                   |            |            |            |            |            |            |             |

|                                                       |                                                                      |            |            |            |            |            |            |             |  |
|-------------------------------------------------------|----------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|-------------|--|
| Small scale processing                                |                                                                      |            |            |            |            |            |            |             |  |
| Post Harvest Technology                               |                                                                      |            |            |            |            |            |            |             |  |
| Tailoring and Stitching                               | Tailoring techniques for women and children's outfit                 | 5          | 10         | 15         | 5          | 5          | 10         | 25          |  |
| Rural Crafts                                          | Tye and dye techniques                                               | 5          | 10         | 15         | 5          | 5          | 10         | 25          |  |
| <b>TOTAL</b>                                          |                                                                      | <b>120</b> | <b>120</b> | <b>240</b> | <b>80</b>  | <b>80</b>  | <b>160</b> | <b>400</b>  |  |
| <b>(C) Extension Personnel</b>                        |                                                                      |            |            |            |            |            |            |             |  |
| Productivity enhancement in field crops               | Millet processing                                                    | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| Integrated Pest Management                            | IPM in pulse crop                                                    | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| Integrated Nutrient management                        | INM in wheat crop                                                    | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| Rejuvenation of old orchards                          |                                                                      |            |            |            |            |            |            |             |  |
| Protected cultivation technology                      | Cultivation of cash crops in controlled environment under poly house | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| Formation and Management of SHGs                      | SHG formation and strengthening                                      | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| Group Dynamics and farmers organization               |                                                                      |            |            |            |            |            |            |             |  |
| Information networking among farmers                  |                                                                      |            |            |            |            |            |            |             |  |
| Capacity building for ICT application                 |                                                                      |            |            |            |            |            |            |             |  |
| Care and maintenance of farm machinery and implements | Location specific drudgery reduction technologies                    | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| WTO and IPR issues                                    |                                                                      |            |            |            |            |            |            |             |  |
| Management in farm animals                            |                                                                      |            |            |            |            |            |            |             |  |
| Livestock feed and fodder production                  |                                                                      |            |            |            |            |            |            |             |  |
| Household food security                               |                                                                      |            |            |            |            |            |            |             |  |
| Women and Child care                                  | Diet in diseases                                                     | 5          | 10         | 15         | 5          | 5          | 10         | 25          |  |
| Low cost and nutrient efficient diet designing        |                                                                      |            |            |            |            |            |            |             |  |
| Production and use of organic inputs                  | Natural farming                                                      | 10         | 5          | 15         | 5          | 5          | 10         | 25          |  |
| Gender mainstreaming through SHGs                     |                                                                      |            |            |            |            |            |            |             |  |
| Any other (Pl. Specify)                               |                                                                      |            |            |            |            |            |            |             |  |
| <b>TOTAL</b>                                          |                                                                      | <b>75</b>  | <b>45</b>  | <b>120</b> | <b>40</b>  | <b>40</b>  | <b>80</b>  | <b>200</b>  |  |
| <b>G. Total</b>                                       |                                                                      | <b>535</b> | <b>455</b> | <b>990</b> | <b>330</b> | <b>330</b> | <b>660</b> | <b>1650</b> |  |

Details of training programmes attached in **Annexure -I**

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

| Nature of Extension Activity | No. of activities | Farmers |        |       | Extension Officials |        |       | Total |        |       |
|------------------------------|-------------------|---------|--------|-------|---------------------|--------|-------|-------|--------|-------|
|                              |                   | Male    | Female | Total | Male                | Female | Total | Male  | Female | Total |
| Field Day                    | 1                 | 147     | 48     | 195   | 3                   | 2      | 5     | 150   | 50     | 200   |
| Kisan Mela                   | 8                 | 445     | 148    | 593   | 5                   | 2      | 7     | 450   | 150    | 600   |
| Kisan Ghosthi                | 2                 | 147     | 49     | 196   | 3                   | 1      | 4     | 150   | 50     | 200   |

|                                         |            |             |             |             |           |           |           |             |             |              |
|-----------------------------------------|------------|-------------|-------------|-------------|-----------|-----------|-----------|-------------|-------------|--------------|
| Exhibition                              | 4          | 149         | 49          | 198         | 1         | 1         | 2         | 150         | 50          | 200          |
| Film Show                               |            |             |             |             |           |           |           |             |             |              |
| Farmers Seminar                         |            |             |             |             |           |           |           |             |             |              |
| Workshop                                | 10         | 273         | 24          | 297         | 2         | 1         | 3         | 275         | 25          | 300          |
| Group meetings                          | 15         | 345         | 149         | 494         | 5         | 1         | 6         | 350         | 150         | 450          |
| Lectures delivered as resource persons  | 24         |             |             | 0           | 0         | 0         | 0         |             |             | mass         |
| Newspaper coverage                      |            |             |             | 0           |           |           | 0         |             |             |              |
| Radio talks                             |            |             |             | 0           |           |           | 0         |             |             |              |
| TV talks                                | 4          | 1500        | 500         | 2000        | 0         | 0         | 0         | 1500        | 500         | 2000         |
| Popular articles                        | 10         | 0           | 0           | 0           | 0         | 0         | 0         | 0           | 0           | 10000        |
| Extension Literature                    | 1          | 147         | 48          | 195         | 3         | 2         | 5         | 150         | 50          | 200          |
| <b>Advisory Services</b>                |            |             |             |             |           |           |           |             |             |              |
| Scientific visit to farmers field       | 1          | 147         | 48          | 195         | 3         | 2         | 5         | 150         | 50          | 200          |
| Farmers visit to KVK                    | 8          | 445         | 148         | 593         | 5         | 2         | 7         | 450         | 150         | 600          |
| Diagnostic visits                       | 2          | 147         | 49          | 196         | 3         | 1         | 4         | 150         | 50          | 200          |
| Exposure visits                         | 4          | 149         | 49          | 198         | 1         | 1         | 2         | 150         | 50          | 200          |
| Ex-trainees Sammelan                    |            |             |             |             |           |           |           |             |             |              |
| Soil health Camp                        |            |             |             |             |           |           |           |             |             |              |
| Animal Health Camp                      | 10         | 273         | 24          | 297         | 2         | 1         | 3         | 275         | 25          | 300          |
| Agri mobile clinic                      | 15         | 345         | 149         | 494         | 5         | 1         | 6         | 350         | 150         | 450          |
| Soil test campaigns                     | 24         |             |             | 0           | 0         | 0         | 0         |             |             | mass         |
| Farm Science Club                       |            |             |             | 0           |           |           | 0         |             |             |              |
| Conveners meet                          |            |             |             |             |           |           |           |             |             |              |
| Self Help Group                         |            |             |             | 0           |           |           | 0         |             |             |              |
| Conveners meetings                      |            |             |             |             |           |           |           |             |             |              |
| Mahila Mandals                          | 4          | 1500        | 500         | 2000        | 0         | 0         | 0         | 1500        | 500         | 2000         |
| Conveners meetings                      |            |             |             |             |           |           |           |             |             |              |
| Celebration of important days (specify) | 10         | 0           | 0           | 0           | 0         | 0         | 0         | 0           | 0           | 10000        |
| Krishi Mohostva                         |            |             |             | 0           |           |           | 0         |             |             |              |
| Krishi Rath                             | 48         | 796         | 158         | 954         | 4         | 2         | 6         | 800         | 160         | 960          |
| Pre Kharif workshop                     | 4          | 500         | 190         | 690         | 0         | 0         | 0         | 500         | 190         | 690          |
| Pre Rabi workshop                       | 20         | 149         | 99          | 248         | 1         | 1         | 2         | 150         | 100         | 250          |
| PPVFRA workshop                         | 2          | 150         | 50          | 200         | 0         | 0         | 0         | 150         | 50          | 200          |
| Any Other (Specify)                     | 1          | 40          | 10          | 50          | 0         | 0         | 0         | 40          | 10          | 50           |
|                                         |            |             |             |             |           |           |           |             |             |              |
| <b>Total</b>                            | <b>179</b> | <b>6558</b> | <b>2200</b> | <b>8758</b> | <b>38</b> | <b>15</b> | <b>53</b> | <b>6596</b> | <b>2214</b> | <b>18760</b> |

### 3.5 Target for Production and supply of Technological products

#### A) SEED MATERIALS

| Sl. No.           | Crop    | Variety                       | Quantity (qtl.) |
|-------------------|---------|-------------------------------|-----------------|
| <b>CEREALS</b>    | Paddy   | Sabor Harshit, Rajendra Sweta | 200             |
|                   |         |                               |                 |
| <b>OILSEEDS</b>   | Linseed | Sabour Tisi-3                 | 3               |
|                   |         |                               |                 |
| <b>PULSES</b>     | Lentil  | IPL-316                       | 20              |
|                   |         |                               |                 |
|                   | Moong   | VARSHA                        | 5               |
|                   |         |                               |                 |
| <b>VEGETABLES</b> |         |                               |                 |

|                  |  |  |  |
|------------------|--|--|--|
| OTHERS (Specify) |  |  |  |
|                  |  |  |  |
|                  |  |  |  |

## B) PLANTING MATERIALS

| Sl. No.                 | Crop         | Variety       | Quantity (Nos.) |
|-------------------------|--------------|---------------|-----------------|
| <b>FRUITS</b>           |              |               |                 |
|                         |              |               |                 |
|                         |              |               |                 |
| <b>SPICES</b>           |              |               |                 |
|                         |              |               |                 |
| <b>VEGETABLES</b>       |              |               |                 |
|                         | Tomato       | ARKA Samrat   | 40000           |
|                         | Chilli       | Arka Meghna   | 10000           |
|                         | Brinjal      | Kashi sandesh | 25000           |
|                         | Cauli flower | Pusa Meghna   | <b>25000</b>    |
|                         |              |               |                 |
| <b>FOREST SPECIES</b>   |              |               |                 |
|                         |              |               |                 |
| <b>ORNAMENTAL CROPS</b> |              |               |                 |
|                         |              | <b>Total</b>  | <b>100000</b>   |

## C) BIO-PRODUCT

| Sl. No.        | Product Name | Species                                               | Quantity |          |
|----------------|--------------|-------------------------------------------------------|----------|----------|
|                |              |                                                       | No       | (kg)     |
| BIO PESTICIDES |              |                                                       |          |          |
| 1.Dusparni     | 1.Dusparni   | CALOTROPIS, CASTOR. NEEM, POMGAMIA PINNATA,PARTHENIUM | NA       | 2000 ltr |
| 2.Neemastra    | 2.Neemastra  | NEEM, GREEN CHILLI, TOBACCO, GARLIC                   | NA       | 2000 ltr |

## D) LIVESTOCK

| Sl. No.   | Type | Breed        | Quantity |      |
|-----------|------|--------------|----------|------|
|           |      |              | (Nos)    | Unit |
| Cattle    |      |              |          |      |
|           |      |              |          |      |
| GOAT      |      | Black Bengal | 8        | NA   |
| SHEEP     |      |              |          |      |
| POULTRY   |      | vanraja      | 1000     | NA   |
| chicks    |      | Vanraja      | 400      | NA   |
| FISHERIES |      |              |          |      |

## 3.6 Literature to be Developed/Published

### (A) KVK News Letter

Date of start :

Number of copies to be published :

### (B) Literature to be developed/published

| S. No. | Topic                         | Number |
|--------|-------------------------------|--------|
| 1      | Research paper each scientist | 4      |
| 2      | Technical reports             | 4      |

|              |                                |           |
|--------------|--------------------------------|-----------|
| 3            | News letters                   | 4         |
| 4            | Training manual all discipline | 1         |
| 5            | Popular article                | 4         |
| 6            | Extension literature           | 6         |
| <b>Total</b> |                                | <b>23</b> |

**(C) Details of Electronic Media to be Produced**

| S. No. | Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc. | Title of the product | Number |
|--------|----------------------------------------------------------------------------------|----------------------|--------|
| 1      | WhatsApp group,                                                                  | Technical Video      | 1      |
|        |                                                                                  |                      |        |

**3.7. Success stories/Case studies identified for development as a case. - 01**

- a. Brief introduction/Background
- b. Interventions/process
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a) Field level observations
- b) Farmer group discussions
- c) PRA
- d) Farmers feedback etc.

**Rural Youth**

- a) Field level observations
- b) Youth group discussions
- c) Youth meeting
- d) Feedback etc.

**In-service personnel**

- a) Suggestion from The department
- b) Observations etc.

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT:**

- i) PRA
- ii) Problem identified from Matrix based ranking & analysis
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

**For FLD:**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

### 3.10 Field activities

- Name of villages identified/adopted with block name (from which year) - Ariyari- Maulanagar, Diha, Farpur, Itahara; Brabigha-Kuserhi, kashibigha, Chewara- Ukasi, Siyani, Karande, Belchhi, Kurmuri.
- No. of farm families selected per village: 25
- No. of PRA conducted: 5
- No. of technologies taken to the adopted villages: 8
- Name of the technologies found suitable by the farmers of the adopted villages:
- Impact (production, income, employment, area/technological– horizontal/vertical)
- Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2013

#### 2. List of equipment's purchase with amount

| Sl. No. | Name of the equipment                               | Quantity | Cost (Rs) |
|---------|-----------------------------------------------------|----------|-----------|
| 1       | Macro Block Digestion System Model No.-KD1GB6M      | 1        | 59,600.00 |
| 2       | Model KjeldIST BE:Basic Auto Distillation System    | 1        | 92400.00  |
| 3       | Electronic Balance                                  | 1        | 70720.00  |
| 4       | Mechanical Shaker                                   | 1        | 3625.00   |
| 5       | PH Meter                                            | 1        | 14245.00  |
| 6       | Flame Photo Meter                                   | 1        | 39770.00  |
| 7       | Hot Plate                                           | 1        | 8500.00   |
| 8       | Hot Air Oven 450*450*450                            | 1        | 21500.00  |
| 9       | Electronic balance 10 Kg capacity                   | 1        | 8500.00   |
| 10      | Digital Conducting Meter                            | 1        | 10000.00  |
| 11      | Double Distillation Unit                            | 1        | 40000.00  |
| 12      | Mridaparikshak Soil Testing Mini Lab Solar operated | 1        | 75000.00  |

#### 3. Targets of samples for analysis:

| Details      | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
|--------------|----------------|----------------|-----------------|-----------------------|
| Soil Samples | 150            | 150            | 20              | -                     |
| Water        |                |                |                 |                       |
| Plant        |                |                |                 |                       |
| <b>Total</b> | <b>150</b>     | <b>150</b>     | <b>20</b>       | <b>-</b>              |

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations/department

| Sl.No. | Name of organization                | Nature of Linkage            | Outcome of linkage  |
|--------|-------------------------------------|------------------------------|---------------------|
| 1.     | DAO, Sheikhpura                     | Training & technology backup | Technology transfer |
| 2.     | Horticulture Deptt., Sheikhpura     | Training & technology backup | Technology transfer |
| 3.     | BAMETI, Patna                       | Training                     | Technology transfer |
| 4.     | NABARD, Sheikhpura                  | Training                     | Technology transfer |
| 5.     | DAHO, Sheikhpura                    | Training & technology backup | Technology transfer |
| 6.     | District Fishery office, Sheikhpura | Training & technology backup | Technology transfer |
| 7.     | Mariya ashram, Sheikhpura, NGO      | Training & technology backup | Technology transfer |
| 8.     | Jeevika                             | Training & technology backup | Technology transfer |
| 9.     | Forest Range office, Sheikhpura     | Planting material supply     | Technology transfer |

### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No: Yes

| S. No. | Programme                    | Nature of linkage | Outcome of linkage  |
|--------|------------------------------|-------------------|---------------------|
| 1      | Training organized by ATMA   | Resource person   | Technology transfer |
| 2      | Farmer scientist interaction | Resource person   | Technology transfer |
| 3      | Joint field visit            | Diagnostic visit  | Technology transfer |

## 5. Utilization of Hostel facilities

| S. No. | Programme          | No. of days |
|--------|--------------------|-------------|
| 1      | RAWE Programme     | -           |
| 2      | Training programme | -           |
|        | <b>Total</b>       | -           |

## 6. Partnership with departments for technology out scaling (proposed):

Annexure - I

### Training Programme

#### i) Farmers & Farm women (On Campus)

| Date            | Clientel<br>e | Title of the training programme                                   | Duratio<br>n in<br>days | Number of<br>participants |   |    | Number of<br>SC/ST |   |    | G.<br>Total | Month<br>of<br>training |
|-----------------|---------------|-------------------------------------------------------------------|-------------------------|---------------------------|---|----|--------------------|---|----|-------------|-------------------------|
|                 |               |                                                                   |                         | M                         | F | T  | M                  | F | T  |             |                         |
| Crop Production |               |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
| 07.01.2026      | PF/FW         | Advantage of micro irrigation in crop production                  | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | January                 |
| 10.04.2026      | PF/FW         | Weed management in paddy crop under DSR Technique                 | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | April                   |
| 07.08.2026      | PF/FW         | Natural farming                                                   | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | August                  |
| 08.09.2026      | PF/FW         | Soil Health management                                            | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | Septemb<br>er           |
| 06.10.2026      | PF/FW         | RCT uses                                                          | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | October                 |
| 04.11.2026      | PF/FW         | Seed production of wheat                                          | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | Novemb<br>er            |
| 02.12.2026      | PF/FW         | Scientific cultivation of chickpea                                | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | Decemb<br>er            |
| Horticulture    |               |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
| 10.02.2026      | PF/FW         | Protected Cultivation                                             | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | February                |
| 10-12.03.2026   | PF/FW         | Mulching in Vegetable                                             | 3                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | March                   |
| 16.03.2026      | PF/FW         | Pest and Diseases of Summer Moong                                 | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | March                   |
| 08.06.2026      | PF/FW         | Techniques for growing Healthy paddy nursery                      | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | June                    |
| 08-12.07.2026   | PF/FW         | Promotion of gladiolus & gerbera in poly house                    | 5                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | July                    |
| 5-6.10.2026     | PF/FW         | Plant Propagation of ornamental plants                            | 2                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | October                 |
| 27-29.10.2026   | PF/FW         | Protected Cultivation: seedling raising under Shednet/Poly tunnel | 3                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | October                 |
| 04.12.2026      | PF/FW         | Processing & value addition of spices (Turmeric)                  | 1                       | 10                        | 5 | 15 | 5                  | 5 | 10 | 25          | Decemb<br>er            |
| Livestock prod. |               |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
|                 | PF/FW         |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
|                 | PF/FW         |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
|                 | PF/FW         |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
|                 | PF/FW         |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
| Agril. Engg.    |               |                                                                   |                         |                           |   |    |                    |   |    |             |                         |
|                 | PF/FW         |                                                                   |                         |                           |   |    |                    |   |    |             |                         |

|                                                         |       |                                                                    |   |    |    |    |    |    |    |     |                                                |
|---------------------------------------------------------|-------|--------------------------------------------------------------------|---|----|----|----|----|----|----|-----|------------------------------------------------|
|                                                         | PF/FW |                                                                    |   |    |    |    |    |    |    |     |                                                |
|                                                         | PF/FW |                                                                    |   |    |    |    |    |    |    |     |                                                |
| <b>Home Sc.</b>                                         |       |                                                                    |   |    |    |    |    |    |    |     |                                                |
| 11.02.2026,<br>12.05.2026,<br>04.09.2026,<br>05.12.2026 | PF/FW | Establishment of nutrition garden in backyard farming family house | 4 | 20 | 40 | 70 | 20 | 20 | 40 | 100 | Feb,<br>may,<br>Septemb<br>er,<br>Decemb<br>er |
| 16.01.2026,<br>14.04.2026                               | PF/FW | Development of low cost recopies using local resources             | 2 | 10 | 20 | 30 | 10 | 10 | 20 | 50  | January,<br>April                              |
| 17.03.2026,<br>18.06.2026                               | PF/FW | Development of amylase rich food for children                      | 2 | 10 | 20 | 30 | 10 | 10 | 20 | 50  | March,<br>June                                 |
| 17.11.2026                                              | PF/FW | Value addition of millets                                          | 1 | 5  | 10 | 15 | 5  | 5  | 10 | 25  | Novemb<br>er                                   |
| 27.11.2026                                              | PF/FW | Processing and preservation of fruits etc.                         | 1 | 5  | 10 | 15 | 5  | 5  | 10 | 25  | Novemb<br>er                                   |

|                    |       |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------|--|--|--|--|--|--|--|--|--|--|
| <b>Plan prot.</b>  |       |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
| <b>Fisheries</b>   |       |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
| <b>Soil Health</b> |       |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |
|                    | PF/FW |  |  |  |  |  |  |  |  |  |  |

**i) Farmers & Farm women (Off Campus)**

| Date            | Clientele | Title of the training programme                                | Duration in days | No. of participants |   |    | Number of SC/ST |   |    | G. Total | Month of training |
|-----------------|-----------|----------------------------------------------------------------|------------------|---------------------|---|----|-----------------|---|----|----------|-------------------|
|                 |           |                                                                |                  | M                   | F | T  | M               | F | T  |          |                   |
| Crop Production |           |                                                                |                  |                     |   |    |                 |   |    |          |                   |
| 09.02.2026      | PF/FW     | Micro nutrient deficiency symptoms and its management in crops | 1                | 10                  | 5 | 15 | 5               | 5 | 10 | 25       | February          |
| 08.07.2026      | PF/FW     | Pest and Disease Management in Paddy                           | 1                | 10                  | 5 | 15 | 5               | 5 | 10 | 25       | July              |
| 15.07.2026      | PF/FW     | Climate resilient crop production practices                    | 1                | 10                  | 5 | 15 | 5               | 5 | 10 | 25       | July              |
| 10.08.2026      | PF/FW     | Water management in paddy crop                                 | 1                | 10                  | 5 | 15 | 5               | 5 | 10 | 25       | August            |
| 11.09.2026      | PF/FW     | Cropping System diversification                                | 1                | 10                  | 5 | 15 | 5               | 5 | 10 | 25       | September         |
| 8.10.2026       | PF/FW     | Cost effective agronomical practices                           | 1                | 10                  | 5 | 15 | 5               | 5 | 10 | 25       | October           |
| Horticulture    |           |                                                                |                  |                     |   |    |                 |   |    |          |                   |

|                               |       |                                                                        |   |    |    |    |    |    |    |    |                 |
|-------------------------------|-------|------------------------------------------------------------------------|---|----|----|----|----|----|----|----|-----------------|
| 09.03.2026                    | PF/FW | Cultivation of Summer Moong                                            | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | March           |
| 10.03.2026                    | PF/FW | Care & management of summer vegetables                                 | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | March           |
| 16.04.2026                    | PF/FW | Care of orchard in Summer season                                       | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | April           |
| 17.04.2026                    | PF/FW | Importance of balance use of fertilizer in vegetables                  | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | April           |
| 06.05.2026                    | PF/FW | SHG formation and strengthening                                        | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | May             |
| 22.06.2026                    | PF/FW | Soil health and fertility management                                   | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | June            |
| 23.06.2026                    | PF/FW | Cultivation of high value crop: Dragon Fruit                           | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | June            |
| 06.08.2026                    | PF/FW | Production of off season vegetables to fetch good income               | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | August          |
| 23.09.2026                    | PF/FW | Quality nursery raising of vegetables seedling                         | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | September       |
| 22.10.2026                    | PF/FW | Rejuvenation of Orchards                                               | 1 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | October         |
| 30.12.2026                    | PF/FW | Scientific cultivation of Potato                                       | 3 | 10 | 5  | 15 | 5  | 5  | 10 | 25 | December        |
| <b>Live Stock Production.</b> |       |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
| <b>Agril. Engg.</b>           |       |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
| <b>Home Sc.</b>               |       |                                                                        |   |    |    |    |    |    |    |    |                 |
| 14.07.2026, 05.08.2026        | PF/FW | Technology used in minimization of nutrient loss in day-to-day cooking | 2 | 10 | 20 | 30 | 10 | 10 | 20 | 50 | July, august    |
| 11.09.2026                    | PF/FW | Gender mainstreaming through SHGs                                      | 1 | 5  | 10 | 15 | 5  | 5  | 10 | 25 | September       |
| 10.04.206 & 07.102.2026       | PF/FW | Storage loss minimization techniques                                   | 2 | 10 | 20 | 30 | 10 | 10 | 20 | 50 | April & October |
| <b>Plant Protection</b>       |       |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
| <b>Fisheries</b>              |       |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
| <b>Soil health</b>            |       |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |
|                               | PF/FW |                                                                        |   |    |    |    |    |    |    |    |                 |

## ii) Vocational training programmes for Rural Youth

### iii) Training programme for extension functionaries

### On Campus/ off

|            |    |                                                                      |   |   |    |    |   |   |    |    |          |
|------------|----|----------------------------------------------------------------------|---|---|----|----|---|---|----|----|----------|
| 09.11.2026 | EF | Cultivation of cash crops in controlled environment under poly house | 1 | 5 | 10 | 15 | 5 | 5 | 10 | 25 | November |
|            |    |                                                                      |   |   |    |    |   |   |    |    |          |

**iv) Sponsored programme**

| Discipline                      | Sponsoring agency | Clientele | Title of the training programme | No. of course | No. of participants |    |    | Number of SC/ST |    |    | G. Total |
|---------------------------------|-------------------|-----------|---------------------------------|---------------|---------------------|----|----|-----------------|----|----|----------|
|                                 |                   |           |                                 |               | M                   | F  | T  | M               | F  | T  |          |
| a) Sponsored training programme |                   |           |                                 |               |                     |    |    |                 |    |    |          |
| Home science                    | BAMETI            | RY        | Mushroom production             | 2             | 5                   | 10 | 15 | 5               | 5  | 10 | 25       |
| Home science                    | BAMETI            | RY        | Palmyra palm                    | 1             | 5                   | 10 | 15 | 5               | 5  | 10 | 25       |
| Horticulture                    | BAMETI            | RY        | Gardener Cum Nursery Raiser     | 1             | 10                  | 5  | 15 | 5               | 5  | 10 | 25       |
| Agronomy                        | BAMETI            | RY        | Natural Farming                 | 1             | 10                  | 5  | 15 | 5               | 5  | 10 | 25       |
|                                 |                   |           | Total                           |               | 30                  | 30 | 60 | 20              | 20 | 40 | 100      |
| b) Sponsored research programme |                   |           |                                 |               |                     |    |    |                 |    |    |          |
|                                 |                   |           |                                 |               |                     |    |    |                 |    |    |          |
|                                 |                   |           |                                 |               |                     |    |    |                 |    |    |          |
|                                 |                   |           | Total                           |               |                     |    |    |                 |    |    |          |
| c) Any special programmes       |                   |           |                                 |               |                     |    |    |                 |    |    |          |
|                                 |                   |           |                                 |               |                     |    |    |                 |    |    |          |
|                                 |                   |           |                                 |               |                     |    |    |                 |    |    |          |
|                                 |                   |           | Total                           |               |                     |    |    |                 |    |    |          |

**Signature of Senior Scientist & Head**