

## ACTION PLAN PROFORMA FOR THE KVKs.

(1<sup>st</sup> January 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                                                  |
|-------------------------------------------------------|------------|-----|------------------------------------------------------------|----------------------------------------------------------|
| Krishi Vigyan Kendra,<br>Agwanpur, Barh, Patna-803214 | Office     | FAX | <a href="mailto:patnakvk@gmail.com">patnakvk@gmail.com</a> | <a href="http://www.patna.kvk4.in">www.patna.kvk4.in</a> |
|                                                       | 9931312288 |     |                                                            |                                                          |

#### 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,<br>Sabour, Bhagalpur- 813210 |           |     | <a href="mailto:vcbausabour@gmail.com">vcbausabour@gmail.com</a> | <a href="http://www.bausabour.ac.in">www.bausabour.ac.in</a> |

1.2.b. Status of KVK website: Yes/No - Yes      Date when the website last updated: - April 2025

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 169114

1.2.d Status of ICT lab at your KVK:

- a) No. of PC units : 06
- b) No. of Printers : 05
- c) Internet connection : Yes

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

| Name            | Telephone / Contact |            |                                                            |
|-----------------|---------------------|------------|------------------------------------------------------------|
|                 | Office              | Mobile     | Email                                                      |
| Dr. Reeta Singh |                     | 9931312288 | <a href="mailto:patnakvk@gmail.com">patnakvk@gmail.com</a> |

1.4. Year of sanction: **August 1992 NIES (35)/92/KVK/AE-12**  
**Dated 05<sup>th</sup> August 1992**

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

| Sl. No. | Sanctioned post           | Name of the incumbent     | Designation                    | Pay Matrix Level | Present Basic (Rs.) | Date of joining | Permanent /Temporary | Category (SC/ST/OBC/ Others) |
|---------|---------------------------|---------------------------|--------------------------------|------------------|---------------------|-----------------|----------------------|------------------------------|
| 1       | Senior Scientist & Head   | Dr Reeta Singh            | Senior Scientist & Head        | Level-13 (A)     | 1,56,900.00         | 09.07.2019      | Permanent            | OBC                          |
| 2       | Subject Matter Specialist | Sri Rajeev Kumar          | Subject Matter Specialist      | Level-10         | 80,000.00           | 12.04.2012      | Permanent            | OBC                          |
| 3       | Subject Matter Specialist | Dr. Pushpam Patel         | Subject Matter Specialist      | Level-10         | 59,500.00           | 06.11.2023      | Permanent            | OBC                          |
| 4       | Subject Matter Specialist | Smt. Sangita Kumari       | Subject Matter Specialist      | Level-10         | 57,800.00           | 10.07.2024      | Permanent            | SC                           |
| 5       | Subject Matter Specialist | Vacant                    | Subject Matter Specialist      | -                |                     | -               | -                    | -                            |
| 6       | Subject Matter Specialist | Vacant                    | Subject Matter Specialist      | -                |                     | -               | -                    | -                            |
| 7       | Programme Assistant       | Dr. Prakash Chandra Gupta | Programme Assistant (LabTech.) | Level-06         | 52,000.00           | 12.11.2012      | Permanent            | OBC                          |
| 8       | Computer Programmer       | Sri Akhilesh Kumar        | Programme Assistant (Computer) | Level-06         | 50,500.00           | 22.05.2013      | Permanent            | OBC                          |
| 9       | Farm Manager              | Vacant                    | Farm Manager                   | -                |                     | -               | -                    | -                            |
| 10      | Assistant                 | Sri Mukesh Kumar          | Assistant                      | Level-06         | 50,500.00           | 15.04.2013      | Permanent            | EBC                          |
| 11      | Stenographer              | Sri Chandan Kumar         | Stenographer                   | Level- 04        | 36,400.00           | 26.06.2013      | Permanent            | OBC                          |
| 12      | Driver                    | Sri Kanhaiya Kumar Rai    | Driver                         | Level-03         | 30,200.00           | 14.05.2015      | Permanent            | OBC                          |
| 13      | Driver                    | Vacant                    | -                              | -                |                     | -               | -                    | -                            |
| 14      | Supporting Staff          | Bachhan Sah               | Messenger cum Peon             | Level-02         | 40,600.00           | 22.12.1992      | Permanent            | OBC                          |
| 15      | Supporting Staff          | Vacant                    | -                              | -                |                     | -               | -                    | -                            |

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

| S. No. | Item                                          | Area (ha)   |
|--------|-----------------------------------------------|-------------|
| 1      | Under Buildings                               | 0.5         |
| 2.     | Under Demonstration Units                     | 0.3         |
| 3.     | Under Crops                                   | 14.1        |
| 4.     | Horticulture                                  | 4.0         |
| 5.     | Pond                                          | 0.1         |
| 6.     | Others if any (Road, Irrigation channel etc.) | 1.0         |
|        | <b>Total</b>                                  | <b>20.0</b> |

**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              |      | 2000                                | 505                | -                 | -             | -                  | -                      |
| 2.     | Farmers Hostel          | ICAR              |      | 1999                                | 305                | -                 | -             | -                  | -                      |
| 3.     | Staff Quarters          | ICAR              |      | Completed (PC)                      | 87                 | -                 | -             | -                  | Needs to be repaired   |
|        |                         |                   |      | Completed Supporting Staff (2 Unit) | 77                 |                   |               |                    | Abandoned              |
|        |                         |                   |      | SMS (2 Unit)                        | 128                | -                 | -             |                    | Abandoned              |
| 4.     | Demonstration Units (2) |                   |      |                                     |                    |                   |               |                    |                        |
| 5      | Fencing                 | ICAR              |      | Completed                           | 2830 Running meter |                   |               |                    | Need to be repaired    |

|    |                                            |      |  |           |     |  |  |  |  |
|----|--------------------------------------------|------|--|-----------|-----|--|--|--|--|
| 6  | Rain Water harvesting system               |      |  |           |     |  |  |  |  |
| 7  | Threshing floor                            | ICAR |  | Completed | 785 |  |  |  |  |
| 8  | Farm godown                                | ICAR |  | Completed | 60  |  |  |  |  |
| 9  | Dairy unit                                 | RKVY |  | Completed | 40  |  |  |  |  |
| 10 | Poultry unit                               | RKVY |  | Completed | 18  |  |  |  |  |
| 11 | Goatery unit                               | RKVY |  | Completed | 18  |  |  |  |  |
| 12 | Mushroom Lab                               | ICAR |  | Completed | 21  |  |  |  |  |
| 13 | Vermicompost production unit               | ICAR |  | Completed | 18  |  |  |  |  |
| 14 | Soil test Lab                              | ICAR |  | Completed | 37  |  |  |  |  |
| 15 | DG Set Shed                                | ICAR |  | Completed | 16  |  |  |  |  |
| 16 | Mushroom Production/<br>Demonstration Unit | ICAR |  | Completed | 35  |  |  |  |  |

#### B) Vehicles

| Type of vehicle          | Year of purchase | Source (ICAR/RKVY) | Cost (Rs.)               | Total kms. run as on December, 2024 | Present status |
|--------------------------|------------------|--------------------|--------------------------|-------------------------------------|----------------|
| Motor cycle (BR01CQ9613) | 2015             | ICAR               | 59,452.00                | 3489 Km                             | Good condition |
| Motor cycle (BR01CQ9614) | 2015             | ICAR               | 59,452.00                | 4976 Km                             | Good condition |
| Tractor (BR01GD5837)     | 2014             | ICAR               | 6,65,000.00              | 307.7 hr.                           | Good condition |
| Tractor, 65 HP (CRA)     | 2021             | CAR                | 941953.60                | 102.9 hr.                           | Good condition |
| Tractor 55 HP            | 2021             | New Holland        | Sponsored by the company | 114.1 hr.                           | Good condition |
| Bolero (BR01JM1322)      | 2025             | ICAR               | 9,04,738.00              | -                                   | New            |

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

| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
|-------------------|------------------|------------|----------------|----------------|
| a. Farm Machinery |                  |            |                |                |

|                                           |            |             |             |      |
|-------------------------------------------|------------|-------------|-------------|------|
| b. AV Aids (i) Podium                     | 2013-14    | 31290.00    | Working     | ICAR |
| (ii) Audio aid                            | 2013-14    | 17128.00    | Working     | ICAR |
| Photostat Copier machine with accessories | 31.03.2016 | 96,173.00   | Working     | RKVV |
| Desktop Computer + Laptop HP              | 31.03.2016 | 82,583.00   | Working     | ICAR |
| CCTV                                      | 31.03.2016 | 21,000.00   | Working     | ICAR |
| LED flood light with stand                | 31.03.2016 | 6,500.00    | Working     | ICAR |
| Sound System                              | 31.03.2016 | 30,165.00   | Working     | ICAR |
| Handy Cam                                 | 31.03.2016 | 82,871.00   | Working     | ICAR |
| Camera                                    | 17.01.2016 | 14,199.00   | Working     | ICAR |
| LED TV                                    | 16.03.2016 | 72,700.0    | Working     | ICAR |
| LED TV                                    | 12.09.2016 | 27200.00    | Working     | ICAR |
| Generator DG set                          | 31.08.2016 | 3,94,134.00 | Working     | ICAR |
| Projector                                 | 31.03.2016 | 52,000.00   | Working     | ICAR |
| Water Cooler + Water purifier             | 12.09.2016 | 59,500.00   | Working     | ICAR |
| Panasonic LED                             | 12.09.2016 | 27,200.00   | Working     | ICAR |
| Vacuum cleaner                            | 12.09.2016 | 9,950.000   | Working     | ICAR |
| Still Photography Camera (Canon)          | 12.09.2016 | 29,600.00   | Not Working | ICAR |
| External Hard Drive                       | 12.09.2016 | 5600.00     | Working     | ICAR |
| Fire extinguisher Cylinder                | 12.09.2016 | 9,649.00    | Working     | ICAR |
| Autoclave                                 | 14.12.2012 | 57,000.00   | Working     | ICAR |
| Hot air oven                              | 14.12.2012 | 64,500.00   | Working     | ICAR |
| BOD Incubator                             | 22.12.2012 | 1,49,510.00 | Working     | ICAR |
| Laminar air flow                          | 02.12.2012 | 97,670.00   | Working     | ICAR |
| Autoclave                                 | 10.02.2018 | 80000.00    | Working     | BSDM |

|                              |            |          |         |               |
|------------------------------|------------|----------|---------|---------------|
| Computer (Lenovo)            | 25.01.2018 | 49950.00 | Working | CSISA Project |
| HP Color Printer             | 25.01.2018 | 14700.00 | Working | CSISA Project |
| Hard Disk                    | 25.01.2018 | 14990.00 | Working | CSISA Project |
| Computer (HP)                | 30.03.2019 | 77499.00 | Working | BSDM          |
| Computer (Lenovo)            | 24.12.2021 | 91700.00 | Working | IRRI          |
| Scanner HP Pro 2000          | 02.03.2024 | 38000.00 | Working |               |
| Printer HP Laser jet 438 NDA | 05.03.2024 | 44000.00 | Working |               |
| UPS Microtek 1000 VA         | 28.03.2024 | 2512.00  | Working |               |
| Laptop (Dell INS)            | 30.08.2025 | 70675.00 | Working | RPL           |

#### **D. Farm implements**

| Name of equipment                     | Year of purchase | Cost (Rs.)  | Present status   | Source of fund |
|---------------------------------------|------------------|-------------|------------------|----------------|
| Tractor                               | 05.05.2014       | 6,65,000.00 | Working          | ICAR           |
| Trailer                               | 14.04.1998       | 5,446.00    | Not Satisfactory | ICAR           |
| Nine tyne Cultivator                  | 14.04.1998       | 3,961.00    | Satisfactory     | ICAR           |
| Cage Wheel                            | 14.04.1998       | 1,485.00    | Satisfactory     | ICAR           |
| Mould Board plough                    | 14.04.1998       | 7,920.00    | Satisfactory     | ICAR           |
| Cultivator 11 tyne (Spring Loaded) 01 | 21.02.2012       | -           | Working          | RKVY           |
| Disk Harrow 12 disk (Mounted)         | 21.02.2012       | -           | Working          | RKVY           |
| Multicrop Thresher                    | 21.02.2012       | -           | Working          | RKVY           |
| Seed processing plant                 | 31.12.2011       | 9,81,760.00 | Working          | ICAR           |
| Gator rocker hand sprayer             | 08.12.2012       | 4,300.00    | Not Working      | NHM            |
| Knapsack Hand sprayer                 | 08.12.2012       | 1,800.00    | Working          | NHM            |
| Mould Board plough (Two bottom)       |                  |             | Working          | NHM            |

|                                         |            |            |         |      |
|-----------------------------------------|------------|------------|---------|------|
| Happy Seeder(2Nos)                      |            |            | Working | NHM  |
| Paddy Threshor                          | 06.07.2021 | 156000.00  | Working | CRA  |
| Rice Wheat Seeder                       | 06.07.2021 | 20000.00   | Working | CRA  |
| National Multi Crop Planter             | 09.04.2021 | 88019.00   | Working | CRA  |
| Trolley                                 | 08.06.2021 | 151864.41  | Working | CRA  |
| Laser Land Leveller                     | 30.04.2021 | 272321.04  | Working | CRA  |
| Raised Bed Planter                      | 30.04.2021 | 88392.86   | Working | CRA  |
| Self propelled vertical conveyer reaper | 23.06.2021 | 124803.00  | Working | CRA  |
| Self propelled Weeder                   | 23.06.2021 | 50410.00   | Working | CRA  |
| Happy Seeder                            | 30.04.2021 | 129464.00  | Working | CRA  |
| Tractor (65 HP)                         | 30.04.2021 | 941953.60  | Working | CRA  |
| Combine (Class)                         | 27.10.2021 | 2759532.00 | Working | CRA  |
| Straw Baler                             | 13.11.2021 | 1238980.00 | Working | CRA  |
| Tractor Mounted Sprayer                 | 21.09.2021 | 193520.00  | Working | CRA  |
| Zero Till Drill National)               | 13.12.2021 | 141000.00  | Working | CRA  |
| High Speed Hay Rack (Shaktiman)         | 14.12.2021 | 379724.00  | Working | CRA  |
| Hp submersible pump set                 | 18.08.2024 | 13000.00   | working |      |
| Cultivator (11 tyne)                    | 05.12.2025 | 25200.00   | working |      |
| Dal mill with 3 Hp motor                | 23.03.2025 | 89250.00   | working | SCSP |
| Iron pipe (2292 kg)                     | 28.03.2025 | 187944.00  | working |      |

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

| <b>Sl. No.</b>                   | <b>Date</b> |
|----------------------------------|-------------|
| 1. Scientific Advisory Committee | -           |

Suggestions of SAC meeting

**2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT****2.1 Micro-farming situations****a) Characteristics**

| <b>S. No.</b> | <b>Agro-Ecological situations (AES)</b> | <b>Existing Farming System (Crop+ livestock+ others)</b> | <b>Major soil types</b> |
|---------------|-----------------------------------------|----------------------------------------------------------|-------------------------|
| 1             | AES 1 (Tal area)                        | Mono cropped (Pulses)+Dairy                              | Heavy textured soil     |
| 2             | AES 2 (Diara Area)                      | Maize/sorghum- Wheat+ Dairy                              | Light textured soil     |
| 3             | AES 3 (Jalla Area)                      | Rice- Wheat - Onion+ Dairy                               | Heavy textured          |
| 4             | AES 4 (Irrigated Plain)                 | Rice- Wheat- Green gram+ Dairy                           | Sandy loam soil         |
| 5             | AES 5 (Rainfed Plain)                   | Rice- Wheat- Green gram +Dairy                           | Sandy loam soil         |

**b) Land Characteristics**

| <b>S.No</b> | <b>Agro-Ecological Situation (AES)</b> | <b>Topography</b>                                               | <b>Drainage</b>                          |
|-------------|----------------------------------------|-----------------------------------------------------------------|------------------------------------------|
| 1           | AES 1 (Tal area)                       | Saucer like topography                                          | Harohar river drainage.                  |
| 2           | AES 2 (Diara Area)                     | Undulating landscape with numerous active and inactive channels | Water recedes after flood in Ganga River |
| 3           | AES 3 (Jalla Area)                     | Alluvial flat expanse                                           | Drainage to Punpun river                 |
| 4           | AES 4 (Irrigated Plain)                | Flat topography                                                 | Easy drainage                            |
| 5           | AES 5 (Rainfed Plain)                  | Mix of slopes and depressions                                   | Drainage through channels                |

**c) AES-wise major problems**

| <b>S.No</b> | <b>Agro-Ecological Situation (AES)</b> | <b>Major problems</b>                                        | <b>Rank</b> |
|-------------|----------------------------------------|--------------------------------------------------------------|-------------|
| 1.          | AES 1 (Tal area)                       | Water logging, Drainage of water, poor irrigation facility   | 1           |
| 2.          | AES 2 (Diara Area)                     | Water logging till October, light soil                       | 1           |
| 3.          | AES 3 (Jalla Area)                     | Water logging due to encroachment of natural drainage system | 2           |
| 4.          | AES 3 (Irrigated Plain)                | Inconsistent water management in droughts and flood          | 2           |
| 5.          | AES 3 (Rainfed Plain)                  | Water scarcity and unreliable rainfall                       | 1           |

## 2.2. Area, Production and Productivity of major crops cultivated in the district (2025)

| 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                          | Paddy        | 74219     | 265184           | 35.73                 | 12.1                                               | 14.27                                            |
| 2                          | Maize        | 3673      | 7452.517         | 20.29                 | 10..6                                              | 14.71                                            |
| 3                          | Pigeonpea    | 989       | 1799             | 18.19                 | 2.89                                               | 3.81                                             |
| 4                          | Wheat        | 70360     | 238098           | 33.84                 | 9.24                                               | 11.16                                            |
| 5                          | Lentil       | 29480     | 26060            | 8.84                  | 8.5                                                | 9.16                                             |
| 6                          | Chickpea     | 6386      | 8014             | 12.55                 | 6.5                                                | 7.45                                             |
| 7                          | Mustard      | 7170      | 7514             | 10.48                 | 10.65                                              | 13.52                                            |
| 8                          | Lathyrus     | 9119      | 8772             | 9.62                  | 6.5                                                | 8.38                                             |
| 9                          | Pea          | 2091      | 2212             | 10.58                 | 6.85                                               | 7.42                                             |
| 10                         | Maize        | 762       | 3884             | 50.97                 | 14.5                                               | 29.03                                            |
| 11                         | Barley       | 200       | 336              | 16.79                 | 6.5                                                | 8.21                                             |
| 12                         | Greengram    | 910       | 499              | 5.48                  | 8.4                                                | 10.52                                            |
| 13                         | Maize        | 1505      | 5276             | 35.06                 | 12.36                                              | 14.94                                            |
| 14                         | Urd bean     | 479       | 326              | 6.8                   | 8.4                                                | 9.2                                              |
| <b>Horticultural Crops</b> |              |           |                  |                       |                                                    |                                                  |
| 1                          | Mango        | 7910      | 96502            | 122.0                 | 18.4                                               | 28                                               |
| 2                          | Guava        | 2110      | 31920            | 151.28                | 36.2                                               | 48.72                                            |
| 3                          | Banana       | 470       | 20820            | 442.98                | 45.2                                               | 57.02                                            |
| 4                          | Potato       | 29910     | 802814           | 268.41                | 25.6                                               | 31.59                                            |
| 5                          | Cauliflower  | 7450      | 139628           | 187.42                | 56.4                                               | 62.58                                            |
| 6                          | Onion        | 3530      | 80861            | 229.07                | 90.3                                               | 120.93                                           |
| 7                          | Brinjal      | 3290      | 69149            | 210.18                | 28.2                                               | 39.82                                            |
| 8                          | Cabbage      | 3000      | 39999            | 133.33                | 110.4                                              | 116.67                                           |
| 9                          | Tomato       | 2000      | 45470            | 227.35                | 16.5                                               | 22.65                                            |
| 10                         | Radish       | 900       | 14499            | 161.11                | 75.8                                               | 88.89                                            |
| 11                         | Beans        | 400       | 3600             | 90                    | 48.5                                               | 60                                               |
| 12                         | Carrot       | 300       | 3200             | 106.67                | 80.4                                               | 93.33                                            |
| 13                         | Bottle gourd | 9600      | 211853           | 220.68                | 20.8                                               | 29.32                                            |
| 14                         | Okra         | 3100      | 42371            | 136.68                | 56.4                                               | 63.32                                            |
| 15                         | Chilli       | 2650      | 38279            | 144.45                | 45.10                                              | 55.55                                            |
| 16                         | Cucumber     | 100       | 1300             | 130                   | 65.2                                               | 70                                               |

Source: District Agriculture Department.

## 2.3. Weather data (2023-24)

| Year | Month    | Rainfall (mm) | Temperature °C |         | Relative Humidity (%) |         |
|------|----------|---------------|----------------|---------|-----------------------|---------|
|      |          |               | Maximum        | Minimum | Maximum               | Minimum |
| 2025 | January  | 0.01          | 23             | 11      | 90                    | 50      |
| 2025 | February | 0.36          | 24             | 10      | 93                    | 37      |
| 2025 | March    | 3.37          | 29             | 15      | 90.1                  | 23.6    |
| 2025 | April    | 35.37         | 36             | 21      | 70                    | 18      |
| 2025 | May      | 53.89         | 38             | 25      | 35                    | 30      |
| 2025 | June     | 98.3          | 37             | 27      | 90                    | 36      |

|      |           |       |    |    |      |      |
|------|-----------|-------|----|----|------|------|
| 2025 | July      | 191.6 | 33 | 26 | 95   | 40   |
| 2025 | August    | 295.4 | 32 | 25 | 97.8 | 61.6 |
| 2025 | September | 129.2 | 32 | 25 | 96   | 57   |
| 2025 | October   | 174.2 | 32 | 20 | 95   | 40   |
| 2025 | November  | 26.5  | 25 | 12 | 90   | 41   |
| 2025 | December  | 0     | 25 | 9  | 60   | 48   |

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

| Category                | Population    | Production | Productivity | Productivity gap |
|-------------------------|---------------|------------|--------------|------------------|
| Indigenous Cattle       | 179300        |            |              |                  |
| Cross Breed             | 135700        |            |              |                  |
| Buffalo                 | 265700        |            |              |                  |
| Goat                    | 196500        |            |              |                  |
| Sheep                   | 17400         |            |              |                  |
| Poultry                 | 121100        |            |              |                  |
| Commercial Dairy Unit   | 135           |            |              |                  |
| Commercial Goaty Unit   | 74            |            |              |                  |
| Commercial Poultry Unit | 71500 Numbers |            |              |                  |

\*Statistical report

## 2.5 Details of Operational area / Villages

| Name of Taluk | Name of the block | Name of the villages | Major crops & enterprises                 | Major problems identified (crop-wise)                                                                                                                                                                                                                            | Identified Thrust Areas                                                                         |
|---------------|-------------------|----------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Athmalgola    | Athmalgola        | Chanda               | Rice, Pulses, Green gram                  | <ul style="list-style-type: none"> <li>• Availability of quality seed in proper time</li> <li>• Availability of seeding machinery</li> <li>• More use of insecticide and pesticide at higher dose</li> <li>• lesser and no use of potassic fertilizer</li> </ul> | <ul style="list-style-type: none"> <li>• INM</li> <li>• IPM</li> <li>• Mechanization</li> </ul> |
|               |                   | Usmanpur             | Maize, Wheat, Mustard, Pulses and Sorghum |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Fulelpur             | Maize, Wheat, Mustard, Pulses and Sorghum |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Kalyanpur            | Wheat, Rice, Pulses                       |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Jamalpur             | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Kamrapar             | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Rupas                | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Sabnima              | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Teenpaitola          | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Ramnagar Diyara      | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
| Danapur       | Danapur           | Lodipur Chandmari    | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
| Barh          | Barh              | Agwanpur             | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Ranabigha            | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Soima                | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Sadikpur             | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Hasan Chak           | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Neemchak             | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Saidpur              | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Bahrawan             | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Purai Bagh           | Rice, Wheat, Pulses, Mustard              |                                                                                                                                                                                                                                                                  |                                                                                                 |
| Mokama        | Mokama            | Mor                  | Fallow, Lentil, Chickpea/ Mustard         |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Moldiyar Tola        | Fallow, Lentil, Chickpea/ Mustard         |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Sultanpur            | Fallow, Lentil, Chickpea/ Mustard         |                                                                                                                                                                                                                                                                  |                                                                                                 |
| Pandarak      | Pandarak          | Chak Jalal           | Wheat, Rice, Lentil, Chickpea/ Mustard    |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Chintaman chak       | Wheat, Rice, Lentil, Chickpea/ Mustard    |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Manjhala Bigha       | Rice, Wheat, Lentil, Chickpea/ Mustard    |                                                                                                                                                                                                                                                                  |                                                                                                 |
|               |                   | Dhabhama             | Rice, Wheat, Lentil, Chickpea/ Mustard    |                                                                                                                                                                                                                                                                  |                                                                                                 |

|           |           |               |                                        |  |  |
|-----------|-----------|---------------|----------------------------------------|--|--|
|           |           | Paindachak    | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
|           |           | Sarhan        | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
|           |           | Imadpur       | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
| Belchi    | Belchi    | Murtujapur    | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
|           |           | Rasbag        | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
|           |           | Moghani       | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
|           |           | Andauli       | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
|           |           | Tilhar        | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
| Ghoswari  | Ghoswari  | Tartar        | Paddy, Lentil, Chickpea/ Mustard       |  |  |
| Khusrupur | Khusrupur | Chotki Nawada | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |
| Fatuha    | Fatuha    | Kharfar       | Rice, Wheat, Lentil, Chickpea/ Mustard |  |  |

## 2.6 Top five major priority thrust areas:

| S. No | Thrust area                                                                         |
|-------|-------------------------------------------------------------------------------------|
| 1.    | Yield Increment in Pulses and Oilseeds                                              |
| 2.    | Seed replacement of pulses and oilseeds.                                            |
| 3.    | Crop Diversification through Soybean, Maize and Millets in Kharif season.           |
| 4.    | Natural Farming.                                                                    |
| 5.    | Crop Residue Management through Farm Mechanization and mushroom production.         |
| 6.    | Women Empowerment through Bee keeping, Mushroom production, Vermicompost production |
| 7.    | Expansion of Kharif onion area in the district.                                     |
| 8.    | Integrated Nutrient Management and Integrated Pest Management.                      |
| 9.    | Ensuring availability of mushroom spawn round the year.                             |
| 10.   | Nutritional Security.                                                               |
| 11.   | Enterprise Development through Food Processing.                                     |

## 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 |
| 05             | 48                | 2.27      | 05                | 48                |

| Training          |                        | Extension Activities |                        |
|-------------------|------------------------|----------------------|------------------------|
| (3)               |                        | (4)                  |                        |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
| 86                | 2261                   | 200                  | 2325                   |

| Seed Production (q) | Planting material (Nos.) | Fish seed prod. (Nos) | Soil Samples |
|---------------------|--------------------------|-----------------------|--------------|
| (5)                 | (6)                      | (7)                   | (8)          |
|                     | 96000                    | -                     | 1000         |

### 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     |             | Chickpea         | Low yield                                   | Assessment of boron application method on yield and economics of chickpea cultivation.        |                     |                          |                                                  |                      |                                          |
| 2     |             | Marrigold        | Low yield                                   | Evaluation of marigold varieties for higher yield                                             |                     |                          |                                                  |                      |                                          |
| 3     |             | Mango            | Severe fruit drop                           | Assessment of different Plant Growth Regulators to control fruit drop in Mango                |                     |                          |                                                  |                      |                                          |
| 4     |             | Lentil           | Low nutritive value of local lentil variety | Assessment of different Biofortified lentil variety for higher productivity in Patna district |                     |                          |                                                  |                      |                                          |
| 5     |             | Potato           | High cost of cultivation                    | Assessment of planting methods of Potato for higher profitability                             |                     |                          |                                                  |                      |                                          |

|   |  |             |                                            |  |                                                                             |                                                  |  |  |  |
|---|--|-------------|--------------------------------------------|--|-----------------------------------------------------------------------------|--------------------------------------------------|--|--|--|
| 6 |  | Paddy       | Zn deficiency in soil                      |  | Zn application on yield and economic of Paddy cultivation                   |                                                  |  |  |  |
|   |  | Lentil      | No biofertilizer application               |  | Biofertilizer application on yield of Lentil.                               |                                                  |  |  |  |
|   |  | Wheat       | heat stress in wheat                       |  | Potassium Nitrate (Foliar Spray) on yield and economic of Wheat cultivation |                                                  |  |  |  |
|   |  | Cauliflower | High incidence of hollow stem and browning |  | Boron on yield of Cauliflower                                               |                                                  |  |  |  |
|   |  | Onion       | Low profit in Rabi onion cultivation       |  | Demonstration of Kharif Onion for higher profitability                      |                                                  |  |  |  |
|   |  | Greengram   | Land remains fallow after wheat crop       |  | Demonstration of green gram in Paddy-Wheat cropping system                  |                                                  |  |  |  |
|   |  | Vegetables  | soil health management                     |  |                                                                             | Natural Farming                                  |  |  |  |
|   |  | Mustard     | Improper nutrient management               |  |                                                                             | Nutrient Management in Mustard                   |  |  |  |
|   |  | Greengram   | Soil fertility Management                  |  |                                                                             | Soil fertility management through green manuring |  |  |  |

|  |  |             |                               |  |  |                                                                  |  |  |  |
|--|--|-------------|-------------------------------|--|--|------------------------------------------------------------------|--|--|--|
|  |  | Vegetables  | Protective cultivation        |  |  | Low-cost shade Net houses for nursery raising of vegetable crop. |  |  |  |
|  |  | Tuber crops | Processing and value addition |  |  | Post harvest processing and value addition of potato             |  |  |  |

### 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                       |         |          | 01        |                  |            |           | 01        |                  |             | 02        |
| Seed / Plant production                   |         |          |           |                  |            |           |           |                  |             |           |
| Weed Management                           |         |          |           |                  |            |           |           |                  |             |           |
| Integrated Crop Management                |         |          |           |                  |            | 01        |           |                  |             | 01        |
| Integrated Nutrient Management            |         |          | 01        |                  |            |           |           |                  |             | 01        |
| Integrated Farming System                 |         |          |           |                  |            |           |           |                  |             |           |
| Mushroom cultivation                      |         |          |           |                  |            |           |           |                  |             |           |
| Drudgery reduction                        |         |          |           |                  |            |           |           |                  |             |           |
| Farm machineries                          |         |          |           |                  |            |           |           |                  |             |           |
| Value addition                            |         |          |           |                  |            |           |           |                  |             |           |
| Integrated Pest Management                |         |          |           |                  |            |           |           |                  |             |           |
| Integrated Disease Management             |         |          |           |                  |            |           |           |                  |             |           |
| Resource conservation technology          |         |          |           |                  |            |           |           |                  | 01          | 01        |
| Small Scale income generating enterprises |         |          |           |                  |            |           |           |                  |             |           |
| <b>TOTAL</b>                              |         |          | <b>02</b> |                  |            | <b>01</b> | <b>01</b> |                  | <b>01</b>   | <b>05</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**

**On Farm Trial – 01**

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop                                      | Chickpea                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Season                                    | Rabi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Main problem                              | In Patna district Chickpea is cultivated in an area of 6390 ha and the average productivity is 12.55 q/ha which is above the national average i.e., 11.42q/ha. 90 % of the soil tested at KVK laboratory was deficient in Boron therefore an OFT was designed to minimise the yield gap (Potential vs existing yield).<br>(Total soil sample tested -1352, <0.5 ppm-1217, 0.5 -1.0 ppm- 133, >1 ppm -2)                                                                               |
| Main cause                                | Low boron content in soil leads to poor pod and grain setting.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Title of OFT                              | Assessment of boron application method on yield and economics of chickpea cultivation.                                                                                                                                                                                                                                                                                                                                                                                                |
| Farming situation                         | Irrigated                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Thematic area                             | Micro nutrient deficiency in crops                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Farmer practice                           | Application of N:P <sub>2</sub> O <sub>5</sub> @ 15: 37 Kg/ha., Seed rate @ 80 Kg/ha and No seed treatment                                                                                                                                                                                                                                                                                                                                                                            |
| Technology option selected for assessment | Technology Option I: Recommended dose of fertilizer i.e N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O @ 20:40:20 Kg/ha + Soil application of Borax@ 10 Kg/ha (Seed rate @ 80 Kg/ha and seed treatment as per FIR protocol)<br>Technology Option II: Application of recommended dose of fertilizer i.e N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O @ 20:40:20 Kg/ha +Foliar application of 0.1% Borax at pre flowering stage (Seed rate @ 80 Kg/ha and seed treatment as per |

|                                      |                                                                                                                                                                                                                                                                         |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | FIR protocol)                                                                                                                                                                                                                                                           |
| Source of technology                 | BAU, Sabour, Bhagalpur                                                                                                                                                                                                                                                  |
| No of trial                          | 01 (No. of Farmers- 08)                                                                                                                                                                                                                                                 |
| Detail of critical input             | Borax                                                                                                                                                                                                                                                                   |
| Cost of individual critical input    | Borax-3000 and Banner and other expenses-Rs. 400.                                                                                                                                                                                                                       |
| Total cost of critical input         | Rs.3400.00                                                                                                                                                                                                                                                              |
| Performance indicator to be recorded | I. Technical indicator: No. of branch/plant, No. of Pod/branch, No. of seed/pod, Test weight (gm), Grain Yield (q/ha), Straw yield (q/ha)<br>II. Economic indicator: Gross cost(Rs/ha), Gross Return(Rs/ha), Net Return(Rs/ha) and B:C ratio.<br>III. Farmer perception |

### On Farm Trial – 02

|                                           |                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Crop                                      | Marigold                                                                                                     |
| Season                                    | Rabi                                                                                                         |
| Main problem                              | Low yield of marigold                                                                                        |
| Main cause                                | Cultivation of local variety                                                                                 |
| Title of OFT                              | Evaluation of marigold varieties for higher yield                                                            |
| Farming situation                         | Soil type : Sandy loam<br>Land type : Upland<br>Irrigation type : Irrigated                                  |
| Thematic area                             | Varietal Evaluation                                                                                          |
| Farmer practice                           | Local variety                                                                                                |
| Technology option selected for assessment | Technology Option I- Pusa Basanti<br>Technology Option II- Pusa Bahar<br>Technology Option III- Pusa Narangi |
| Source of technology                      | IARI, Pusa, New Delhi                                                                                        |
| No of trial                               | 01 (No. of farmers-10)                                                                                       |
| Detail of critical input                  | Seed                                                                                                         |
| Cost of individual                        | 800/-                                                                                                        |

|                                      |                                                                                                                                                                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| critical input                       |                                                                                                                                                                                                                          |
| Total cost of critical input         | 8000/-                                                                                                                                                                                                                   |
| Performance indicator to be recorded | (i) Technical indicator: No. of branch/plant, No. of flowers/plant, 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 perception |

### On Farm Trial – 03

|                                           |                                                                                                                                                                                                                                                       |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop                                      | Mango                                                                                                                                                                                                                                                 |
| Season                                    | Summer                                                                                                                                                                                                                                                |
| Main problem                              | Severe fruit drop                                                                                                                                                                                                                                     |
| Main cause                                | Improper nutrient management and hormonal imbalance in mango                                                                                                                                                                                          |
| Title of OFT                              | Assessment of different Plant Growth Regulators to control fruit drop in Mango                                                                                                                                                                        |
| Farming situation                         | Soil type: Sandy loam, Land type: Upland, Irrigation type: Irrigated                                                                                                                                                                                  |
| Thematic area                             | Integrated Crop Management                                                                                                                                                                                                                            |
| Farmer practice                           | Insecticide and Fungicide spray                                                                                                                                                                                                                       |
| Technology option selected for assessment | Technology Option I. NAA @20 ppm (1 spray at Pea stage)<br>Technology Option II. GA3 @30 ppm (1 spray at Pea stage)                                                                                                                                   |
| Source of technology                      | CISH, Lucknow                                                                                                                                                                                                                                         |
| No of trial                               | 01 (No. of farmers-10)                                                                                                                                                                                                                                |
| Detail of critical input                  | NAA@20 ppm, GA3@ 30 ppm                                                                                                                                                                                                                               |
| Cost of individual critical input         | NAA@20ppm- 450/-, GA3@ 30 ppm-750/-                                                                                                                                                                                                                   |
| Total cost of critical input              | Rs. 1200                                                                                                                                                                                                                                              |
| Performance indicator to be recorded      | I. Technical indicator: No. of fruits/panicle, No. of fruit/plant, Fruit weight (g), Fruit Yield/plant (kg)<br>II. Economic indicator : cost of cultivation (Rs./ha), gross return (Rs./ha), net return (Rs./ha), B:C ratio<br>III. Farmer perception |

### On Farm Trial – 04

|              |                                             |
|--------------|---------------------------------------------|
| Crop         | Lentil                                      |
| Season       | Rabi                                        |
| Main problem | Low nutritive value of local lentil variety |

|                                           |                                                                                                                                                                                                                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main cause                                | Dependence on traditional variety and low content of Zinc and Iron (Zn-35 ppm & Iron-45ppm)                                                                                                                                                                                 |
| Title of OFT                              | Assessment of different Biofortified lentil variety for higher productivity in Patna district                                                                                                                                                                               |
| Farming situation                         | Medium land & rainfed.                                                                                                                                                                                                                                                      |
| Thematic area                             | Varietal evaluation                                                                                                                                                                                                                                                         |
| Farmer practice                           | Desi traditional variety (Seed rate- 80 Kg/ha, N:P2O5@ 20:40 Kg/ha, Seed treatment with carbendazim@2 gm/kg seed and chloropyriphos@5ml/Kg Seed)                                                                                                                            |
| Technology option selected for assessment | Technology Option I - Pusa Ageti Masoor (Zn- 51 ppm & Iron – 65 ppm) Technology Option II- IPL 220 (Zn- 51 ppm & Iron – 73 ppm)                                                                                                                                             |
| Source of technology                      | Pusa Ageti Masoor- IARI, New Delhi<br>IPL 220- IIPR, Kanpur                                                                                                                                                                                                                 |
| No of trial                               | 01 (No. of farmers- 10)                                                                                                                                                                                                                                                     |
| Detail of critical input                  | Seed                                                                                                                                                                                                                                                                        |
| Cost of individual critical input         | Seed- Rs -, others- Rs -                                                                                                                                                                                                                                                    |
| Total cost of critical input              | Rs 10000.00                                                                                                                                                                                                                                                                 |
| Performance indicator to be recorded      | I. Technical Indicator: No. of branch/plant, Number of pods per plant, No. of seeds/pod, 1000 seed weight (test weight), Grain yield (q/ha), Straw Yield (q/ha), Zn and Iron content in seed<br>II. Economic Indicator: Gross cost (Rs./ha), Net return (Rs./ha), B:C Ratio |

#### On Farm Trial – 05

|                                           |                                                                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop                                      | Potato                                                                                                                                                         |
| Season                                    | Rabi                                                                                                                                                           |
| Main problem                              | High cost of cultivation in ridge and furrow planting method                                                                                                   |
| Main cause                                | High cost in planting, irrigation, weeding and harvesting leads to low profitability                                                                           |
| Title of OFT                              | Assessment of planting methods of Potato for higher profitability                                                                                              |
| Farming situation                         | Medium and irrigated land                                                                                                                                      |
| Thematic area                             | Resource Conservation Technology                                                                                                                               |
| Farmer practice                           | Ridge and furrow method of planting                                                                                                                            |
| Technology option selected for assessment | Technology option I: Planting potato in ploughed field followed by paddy straw mulch<br>Technology option II: Planting potato in zero tilled field followed by |

|                                      |                                                                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | paddy straw mulch                                                                                                                                                  |
| Source of technology                 | International Potato Centre, Peru<br>ICAR-CPRI, Shimla                                                                                                             |
| No of trial                          | 01 (No. of farmers-10)                                                                                                                                             |
| Detail of critical input             |                                                                                                                                                                    |
| Cost of individual critical input    | others- Rs 5000                                                                                                                                                    |
| Total cost of critical input         | Rs 5000                                                                                                                                                            |
| Performance indicator to be recorded | Technical indicator: Tubers per plant, Total tuber yield (tonnes/ha)<br>Economic indicator: Gross cost (Rs/ha), Gross return(Rs/ha), Net return (Rs/ha), B:C Ratio |

### 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 farmers/ demon. | Parameters identified (Yield related attributes, yield economics and farmers' perception)                                                                                                                                                                          |
|---------|-------------|------------------------------------|---------------------------------------------------------------------------|-------------------|-----------------|-----------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01      | Paddy       | Micro nutrient deficiency in crops | Importance of Zinc nutrition in Paddy cultivation.                        | Zinc sulphate     | Kharif 2026     | 08        | 20                     | I. Technical indicator-No. of effective tiller/m <sup>2</sup> , No. of filled grain/ Panicle, Grain yield(q/ha), Straw yield (q/ha).<br>II. Economic indicator: Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net Return (Rs./ha), B:C Ratio.                 |
| 02      | Lentil      | Integrated Nutrient Management     | Importance of proper seed treatment on growth and yield of Lentil         | Rhizobium culture | Kharif 2026     | 08        | 20                     | I. Technical indicator-No. of effective tiller/m <sup>2</sup> , No. of filled grain/ Panicle, Grain yield(q/ha), Straw yield (q/ha).<br>II. Economic indicator: Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net Return (Rs./ha), B:C Ratio                  |
| 03      | Wheat       | Nutrient Use Efficiency            | Importance of Foliar spray of Potassium Nitrate in mitigating heat stress | Potassium Nitrate | Rabi 2026       | 08        | 20                     | I. Technical indicator- No. of effective tiller/m <sup>2</sup> , No. of filled grain/ spike, Test weight(gm), Grain yield(q/ha), Straw yield (q/ha).<br>II. Economic indicator: Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net Return (Rs./ha), B:C Ratio. |
| 04      | Cauliflower | Nutrient management                | Borax                                                                     | Borax             | Rabi 2026       | 02        | 20                     | I. Technical indicator: weight of curd (g) per plant, curd yield per acre and                                                                                                                                                                                      |

|    |            |                     |                                 |              |              |    |    |                                                                                                                                                                            |
|----|------------|---------------------|---------------------------------|--------------|--------------|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |            |                     |                                 |              |              |    |    | II. Economic indicator: Gross cost (Rs/ha), Net return (Rs/ha), B:C Ratio                                                                                                  |
| 05 | Onion      | Varietal Evaluation | NHRDF-883                       | NHRDF-883    | Kharif, 2026 | 01 | 15 | I. Technical indicator- Bulb weight (g), Bulb equatorial diameter (cm) & yield (q/ha)<br>II. Economic indicator: Cost of cultivation (Rs/ha), Net Return (Rs/ha), BC Ratio |
| 06 | Green gram | Cropping system     | Green gram variety Virat/Shikha | Virat/Shikha | Summer, 2026 | 06 | 30 | I. Technical indicator: Number of pods per plant, Test weight, Yield (q/ha)<br>II. Economic indicator : Gross cost (Rs./ha), Net return (Rs./ha), B:C Ratio                |

**Sponsored Demonstration**

| Crop | Area (ha) | No. of farmers |
|------|-----------|----------------|
|      |           |                |
|      |           |                |
|      |           |                |
|      |           |                |

**B. Extension and Training activities under FLDs**

| S. No. | Activity                             | No. of activities | Month                             | Number of participants |
|--------|--------------------------------------|-------------------|-----------------------------------|------------------------|
| 1      | Farmers Training                     | 10                | January, March, October, December | 110                    |
| 2      | Field days                           | 3                 | April, July, November             | 320                    |
| 3      | Media coverage                       | 5                 | November, December                |                        |
| 4      | Training for extension functionaries | 3                 | August, September, October        | 60                     |

**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 |
|------------|-------|----------------|----------------------------------------|-----------------|-------------------------------------|
|            |       |                |                                        |                 |                                     |
|            |       |                |                                        |                 |                                     |
|            |       |                |                                        |                 |                                     |
|            |       |                |                                        |                 |                                     |
|            |       |                |                                        |                 |                                     |

**Details of all FLD in the given format****FLD- 01**

|                                              |                                                                                                                                                                                                                                     |                       |      |                    |      |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------|--------------------|------|
| Crop area of district in (ha)                | 29480                                                                                                                                                                                                                               | District yield (Q/ha) | 8.84 | State yield (Q/ha) | 8.13 |
|                                              |                                                                                                                                                                                                                                     |                       |      |                    |      |
| Title of FLD                                 | Demonstration of Zn application on yield and economic of Paddy cultivation.                                                                                                                                                         |                       |      |                    |      |
| Season & Year                                | Kharif 2026                                                                                                                                                                                                                         |                       |      |                    |      |
| Main Problem                                 | 80% of the soil tested at KVK laboratory is deficient in Zn and its deficiency leads to low yield of Paddy.                                                                                                                         |                       |      |                    |      |
| Main cause of problem                        | Zn deficiency in soil.                                                                                                                                                                                                              |                       |      |                    |      |
| Full detail of farmer's Practice             | Use of N:P2O5:K2O@120:60:40Kg/ha.                                                                                                                                                                                                   |                       |      |                    |      |
| Full detail of technology to be demonstrated | Application of RDF i.e N:P2O5@120:60:40+Zinc sulphate@25Kg/ha                                                                                                                                                                       |                       |      |                    |      |
| Source of Technology with year               | BAU, Sabour, Bhagalpur. (2014)                                                                                                                                                                                                      |                       |      |                    |      |
| Name of the Technology                       | Importance of Zinc nutrition in Paddy cultivation.                                                                                                                                                                                  |                       |      |                    |      |
| Thematic area                                | Micro nutrient deficiency in crops                                                                                                                                                                                                  |                       |      |                    |      |
| Name of villages                             | Manjhlabigha, Dhibar and Tilhar                                                                                                                                                                                                     |                       |      |                    |      |
| Farming situation                            | Low land, Irrigated                                                                                                                                                                                                                 |                       |      |                    |      |
| Area (ha)/Unit (No.)                         | 08 ha.                                                                                                                                                                                                                              | No of farmers         |      | 20                 |      |
| Performance indicator                        | I. Technical indicator-No. of effective tiller/m2, No. of filled grain/ Panicle, Grain yield(q/ha), Straw yield (q/ha).<br>II. Economic indicator: Cost of cultivation(Rs/ha), Gross return(Rs/ha), Net Return (Rs./ha), B:C Ratio. |                       |      |                    |      |

**FLD- 02**

|                                              |                                                                                                                                                         |                       |      |                    |      |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------|--------------------|------|
| Crop area of district in (ha)                | 29480                                                                                                                                                   | District yield (Q/ha) | 8.84 | State yield (Q/ha) | 8.13 |
| Title of FLD                                 | Demonstration of biofertilizer application on yield of Lentil.                                                                                          |                       |      |                    |      |
| Season & Year                                | Rabi 2026                                                                                                                                               |                       |      |                    |      |
| Main Problem                                 | Low yield of lentil                                                                                                                                     |                       |      |                    |      |
| Main cause of problem                        | No application of biofertilizer leads to poor growth and yield of lentil.                                                                               |                       |      |                    |      |
| Full detail of farmer's Practice             | Use of N:P2O5@20:40Kg/ha.                                                                                                                               |                       |      |                    |      |
| Full detail of technology to be demonstrated | Application of RDF i.e N:P2O5:K2O@20:40:20 + Seed treatment with Thiran@3 gm/Kg seed after 12 hr seed treatment with Chlorpyrifos 20%@ 6 ml/Kg seed and |                       |      |                    |      |

|                                |                                                                                                                                                                                                                                                                                                               |               |    |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
|                                | before sowing Seed treatment with Rhizobium culture @ 5 ml/ Kg Seed.                                                                                                                                                                                                                                          |               |    |
| Source of Technology with year | BAU, Sabour, Bhagalpur (2014)                                                                                                                                                                                                                                                                                 |               |    |
| Name of the Technology         | Importance of proper seed treatment on growth and yield of Lentil.                                                                                                                                                                                                                                            |               |    |
| Thematic area                  | Integrated Nutrient Management.                                                                                                                                                                                                                                                                               |               |    |
| Name of villages               | Tilhar, Kajichak and Dabhawan                                                                                                                                                                                                                                                                                 |               |    |
| Farming situation              | Low land, Rainfed                                                                                                                                                                                                                                                                                             |               |    |
| Area (ha)/Unit (No.)           | 20 ha.                                                                                                                                                                                                                                                                                                        | No of farmers | 50 |
| Performance indicator          | <p>I. Technical indicator- No. of branch/plant, No. of pod/branch, No. of seed /pod, test weight(gm), Grain yield(q/ha), Straw yield (q/ha), pre sowing and post harvest soil analyses.</p> <p>II. Economic indicator: Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net Return (Rs./ha), B:C Ratio.</p> |               |    |

### FLD-03

|                               |       |                       |       |                    |       |
|-------------------------------|-------|-----------------------|-------|--------------------|-------|
| Crop area of district in (ha) | 70360 | District yield (Q/ha) | 33.84 | State yield (Q/ha) | 32.11 |
|-------------------------------|-------|-----------------------|-------|--------------------|-------|

|                                              |                                                                                                                          |                |    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|----|
| Title of FLD                                 | Demonstration of Potassium Nitrate (Foliar Spray) on yield and economic of Wheat cultivation                             |                |    |
| Season & Year                                | Rabi 2026                                                                                                                |                |    |
| Main Problem                                 | Shrinkage of grain due to high temp. during milking stage leads to poor yield of Wheat.                                  |                |    |
| Main cause of problem                        | Hot and dry wind flow during milking stage.                                                                              |                |    |
| Full detail of farmer's Practice             | Use of N:P2O5:K2O@100:60:40Kg/ha.                                                                                        |                |    |
| Full detail of technology to be demonstrated | Application of RDF i.e N:P2O5@100:60:40+foliar spray of 0.5% Potassium Nitrate at booting and anthesis stage.            |                |    |
| Source of Technology with year               | BAU, Sabour, Bhagalpur (2018)                                                                                            |                |    |
| Name of the Technology                       | Importance of Foliar spray of Potassium Nitrate in mitigating heat stress.                                               |                |    |
| Thematic area                                | Nutrient Use Efficiency                                                                                                  |                |    |
| Name of villages                             | Bellour, Ranabigha and Nadawan                                                                                           |                |    |
| Farming situation                            | Medium land , Irrigated                                                                                                  |                |    |
| Area (ha)/Unit (No.)                         | 8 ha.                                                                                                                    | No. of farmers | 20 |
| Performance indicator                        | <p>I. Technical indicator- No. of effective tiller/m<sup>2</sup>, No. of filled grain/ spike, Test weight(gm), Grain</p> |                |    |

|  |                                                                                                                                              |
|--|----------------------------------------------------------------------------------------------------------------------------------------------|
|  | yield(q/ha), Straw yield (q/ha).<br>II. Economic indicator: Cost of cultivation(Rs/ha), Gross return(Rs/ha), Net Return (Rs./ha), B:C Ratio. |
|--|----------------------------------------------------------------------------------------------------------------------------------------------|

#### FLD -04

|                               |      |                       |       |                    |       |
|-------------------------------|------|-----------------------|-------|--------------------|-------|
| Crop area of district in (ha) | 7450 | District yield (Q/ha) | 187.4 | State yield (Q/ha) | 180.0 |
|-------------------------------|------|-----------------------|-------|--------------------|-------|

|                                              |                                                                                                                                               |               |    |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| Title of FLD                                 | Demonstration of Boron on yield of Cauliflower                                                                                                |               |    |
| Season & Year                                | Rabi 2026                                                                                                                                     |               |    |
| Main Problem                                 | High incidence of hollow stem and browning                                                                                                    |               |    |
| Main cause of problem                        | Improper nutrient management                                                                                                                  |               |    |
| Full detail of farmer's Practice             | FP: N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O :: 100:60:40 kg/ha                                                                      |               |    |
| Full detail of technology to be demonstrated | RDF (N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O :: 100:80:80 kg/ha) + B @1kg/ha as basal dose                                          |               |    |
| Source of Technology with year               | B.A.U, Sabour (2014)                                                                                                                          |               |    |
| Name of the Technology                       | Borax                                                                                                                                         |               |    |
| Thematic area                                | Nutrient management                                                                                                                           |               |    |
| Name of villages                             | Navada, Chaknavada                                                                                                                            |               |    |
| Farming situation                            | Soil type : Sandy loam<br>Land type : Upland<br>Irrigation type : Irrigated                                                                   |               |    |
| Area (ha)/Unit (No.)                         | 02 ha.                                                                                                                                        | No of farmers | 20 |
| Performance indicator                        | Technical indicator: weight of curd (g) per plant, curd yield per acre<br>Economic indicator : Gross cost(Rs/ha),Net return(Rs/ha), B:C Ratio |               |    |

#### FLD-05

|                               |      |                       |       |                    |       |
|-------------------------------|------|-----------------------|-------|--------------------|-------|
| Crop area of district in (ha) | 3100 | District yield (Q/ha) | 136.6 | State yield (Q/ha) | 145.0 |
|-------------------------------|------|-----------------------|-------|--------------------|-------|

|                                  |                                                               |  |  |  |  |
|----------------------------------|---------------------------------------------------------------|--|--|--|--|
| Title of FLD                     | Demonstration of Kharif Onion for higher profitability        |  |  |  |  |
| Season & Year                    | Kharif, 2026                                                  |  |  |  |  |
| Main Problem                     | Low profit in Rabi onion cultivation                          |  |  |  |  |
| Main cause of problem            | Low market price of Rabi onion due to higher supply in market |  |  |  |  |
| Full detail of farmer's Practice | Cultivation of Rabi onion only                                |  |  |  |  |

|                                              |                                                                                                                                                                              |               |    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| Full detail of technology to be demonstrated | Kharif onion variety NHRDF-883 with RDF                                                                                                                                      |               |    |
| Source of Technology with year               | NHRDF (2024)                                                                                                                                                                 |               |    |
| Name of the Technology                       | NHRDF-883                                                                                                                                                                    |               |    |
| Thematic area                                | Varietal Evaluation                                                                                                                                                          |               |    |
| Name of villages                             | Chhaperatar, Pandarak                                                                                                                                                        |               |    |
| Farming situation                            | Upland Irrigated                                                                                                                                                             |               |    |
| Area (ha)/Unit (No.)                         | 01 ha.                                                                                                                                                                       | No of farmers | 15 |
| Performance indicator                        | (I) Technical indicator- Bulb weight (g), Bulb equatorial diameter (cm) & yield (q/ha)<br>(II) Economic indicator: Cost of cultivation (Rs/ha), Net Return (Rs/ha), BC Ratio |               |    |

#### FLD-06

|                               |     |                       |      |                    |      |
|-------------------------------|-----|-----------------------|------|--------------------|------|
| Crop area of district in (ha) | 910 | District yield (Q/ha) | 5.48 | State yield (Q/ha) | 7.08 |
|-------------------------------|-----|-----------------------|------|--------------------|------|

  

|                                              |                                                                                                                                                                                                                                                        |               |    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|
| Title of FLD                                 | Demonstration of green gram in Paddy- Wheat cropping system                                                                                                                                                                                            |               |    |
| Season & Year                                | Summer, 2026                                                                                                                                                                                                                                           |               |    |
| Main Problem                                 | Land remains fallow after wheat crop                                                                                                                                                                                                                   |               |    |
| Main cause of problem                        | Low system yield in Paddy- Wheat cropping system                                                                                                                                                                                                       |               |    |
| Full detail of farmer's Practice             | Local variety(chotki moong), seed rate - 25 kg/ha, No fertilizer, 1 Spray of Imidacloprid 17.8% SL @ 1ml/ lit of water                                                                                                                                 |               |    |
| Full detail of technology to be demonstrated | Variety- Virat/Shikha, seed rate- 25 kg/ha, Seed treatment with Carbendazim 50 % WP @ 2gm/ kg of seed followed with chlorpyrriphos 20% EC @ 6 ml/ kg of seed , treatment with Rhizobium Culture 5ml/ kg seed before sowing, RDF- N:P:K::20:40:20 Kg/ha |               |    |
| Source of Technology with year               | ICAR- IIPR, Kanpur (2018)                                                                                                                                                                                                                              |               |    |
| Name of the Technology                       | Green gram variety Virat/Shikha                                                                                                                                                                                                                        |               |    |
| Thematic area                                | Croping system                                                                                                                                                                                                                                         |               |    |
| Name of villages                             | Moglani, Chakjalal and Kajichak                                                                                                                                                                                                                        |               |    |
| Farming situation                            | Medium and irrigated land                                                                                                                                                                                                                              |               |    |
| Area (ha)/Unit (No.)                         | 6                                                                                                                                                                                                                                                      | No of farmers | 30 |

|                       |                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance indicator | I. Technical indicator: Number of pods per plant, Test weight, Yield (q/ha)<br>II. Economic indicator : Gross cost (Rs./ha), Net return (Rs./ha), B:C Ratio |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

#### A) ON Campus

| Thematic Area                                         | No. of Courses | No. of Participants |    |       |    |   |    |             |
|-------------------------------------------------------|----------------|---------------------|----|-------|----|---|----|-------------|
|                                                       |                | Others              |    | SC/ST |    |   |    | Grand Total |
|                                                       |                | M                   | F  | T     | M  | F | T  |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                     |    |       |    |   |    |             |
| <b>I Crop Production</b>                              |                |                     |    |       |    |   |    |             |
| Weed Management                                       |                |                     |    |       |    |   |    |             |
| Resource Conservation Technologies                    |                |                     |    |       |    |   |    |             |
| Cropping Systems                                      |                |                     |    |       |    |   |    |             |
| Crop Diversification                                  | 1              | 16                  | 6  | 22    | 6  | 2 | 8  | 30          |
| Integrated Farming                                    | 2              | 30                  | 10 | 40    | 12 | 6 | 18 | 58          |
| Water management                                      |                |                     |    |       |    |   |    |             |
| Seed production                                       | 3              | 48                  | 18 | 66    | 18 | 6 | 24 | 90          |
| Nursery management                                    |                |                     |    |       |    |   |    |             |
| Integrated Crop Management                            |                |                     |    |       |    |   |    |             |
| Fodder production                                     |                |                     |    |       |    |   |    |             |
| Production of organic inputs                          |                |                     |    |       |    |   |    |             |
| Others, if any                                        |                |                     |    |       |    |   |    |             |
| <b>II Horticulture</b>                                |                |                     |    |       |    |   |    |             |
| <b>a) Vegetable Crops</b>                             |                |                     |    |       |    |   |    |             |
| Integrated nutrient management                        | 1              | 13                  | 4  | 17    | 5  | 3 | 8  | 25          |
| Water management                                      | 1              | 13                  | 4  | 17    | 5  | 3 | 8  | 25          |
| Enterprise development                                |                |                     |    |       |    |   |    |             |
| Skill development                                     |                |                     |    |       |    |   |    |             |
| Yield increment                                       | 1              | 13                  | 4  | 17    | 5  | 3 | 8  | 25          |
| Production of low volume and high value crops         | 1              | 13                  | 4  | 17    | 5  | 3 | 8  | 25          |
| Off-season vegetables                                 |                |                     |    |       |    |   |    |             |
| Nursery raising                                       | 1              | 13                  | 4  | 17    | 5  | 3 | 8  | 25          |
| Export potential vegetables                           | 1              | 13                  | 4  | 17    | 5  | 3 | 8  | 25          |
| Grading and standardization                           |                |                     |    |       |    |   |    |             |
| Protective cultivation (Green Houses, Shade Net etc.) | 1              | 14                  | 2  | 16    | 2  | 2 | 4  | 20          |

|                                                 |   |    |   |    |    |   |    |    |
|-------------------------------------------------|---|----|---|----|----|---|----|----|
| Training and Pruning                            |   |    |   |    |    |   |    |    |
| Others, if any                                  | 2 | 26 | 8 | 34 | 10 | 6 | 16 | 50 |
| <b>b) Fruits</b>                                |   |    |   |    |    |   |    |    |
| Layout and Management of Orchards               |   |    |   |    |    |   |    |    |
| Cultivation of Fruit                            |   |    |   |    |    |   |    |    |
| Management of young plants/orchards             | 1 | 13 | 4 | 17 | 5  | 3 | 8  | 25 |
| Rejuvenation of old orchards                    | 1 | 13 | 4 | 17 | 5  | 3 | 8  | 25 |
| Export potential fruits                         |   |    |   |    |    |   |    |    |
| Micro irrigation systems of orchards            |   |    |   |    |    |   |    |    |
| Plant propagation techniques                    |   |    |   |    |    |   |    |    |
| Others, if any                                  | 1 | 13 | 4 | 17 | 5  | 3 | 8  | 25 |
| <b>c) Ornamental Plants</b>                     |   |    |   |    |    |   |    |    |
| Nursery Management                              |   |    |   |    |    |   |    |    |
| Management of potted plants                     |   |    |   |    |    |   |    |    |
| Export potential of ornamental plants           |   |    |   |    |    |   |    |    |
| Propagation techniques of Ornamental Plants     |   |    |   |    |    |   |    |    |
| Others, if any                                  |   |    |   |    |    |   |    |    |
| <b>d) Plantation crops</b>                      |   |    |   |    |    |   |    |    |
| Production and Management technology            |   |    |   |    |    |   |    |    |
| Processing and value addition                   |   |    |   |    |    |   |    |    |
| Others, if any                                  |   |    |   |    |    |   |    |    |
| <b>e) Tuber crops</b>                           |   |    |   |    |    |   |    |    |
| Production and Management technology            |   |    |   |    |    |   |    |    |
| Processing and value addition                   |   |    |   |    |    |   |    |    |
| Others, if any                                  |   |    |   |    |    |   |    |    |
| <b>f) Spices</b>                                |   |    |   |    |    |   |    |    |
| Production and Management technology            |   |    |   |    |    |   |    |    |
| Processing and value addition                   |   |    |   |    |    |   |    |    |
| Others, if any                                  |   |    |   |    |    |   |    |    |
| <b>g) Medicinal and Aromatic Plants</b>         |   |    |   |    |    |   |    |    |
| Nursery management                              |   |    |   |    |    |   |    |    |
| Production and management technology            |   |    |   |    |    |   |    |    |
| Post harvest technology and value addition      |   |    |   |    |    |   |    |    |
| Others, if any                                  |   |    |   |    |    |   |    |    |
| <b>III Soil Health and Fertility Management</b> |   |    |   |    |    |   |    |    |
| Soil fertility management                       | 1 | 13 | 4 | 17 | 5  | 3 | 8  | 25 |
| Soil and Water Conservation                     |   |    |   |    |    |   |    |    |
| Integrated Nutrient Management                  | 2 | 26 | 8 | 34 | 10 | 6 | 16 | 50 |
| Production and use of organic inputs            | 1 | 13 | 4 | 17 | 5  | 3 | 8  | 25 |
| Management of Problematic soils                 |   |    |   |    |    |   |    |    |

|                                                                      |   |    |   |    |   |   |   |    |
|----------------------------------------------------------------------|---|----|---|----|---|---|---|----|
| Micro nutrient deficiency in crops                                   | 1 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |
| Nutrient Use Efficiency                                              |   |    |   |    |   |   |   |    |
| Soil and Water Testing                                               |   |    |   |    |   |   |   |    |
| Others, if any                                                       | 1 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |
| <b>IV Livestock Production and Management</b>                        |   |    |   |    |   |   |   |    |
| Dairy Management                                                     |   |    |   |    |   |   |   |    |
| Poultry Management                                                   |   |    |   |    |   |   |   |    |
| Piggery Management                                                   |   |    |   |    |   |   |   |    |
| Rabbit Management                                                    |   |    |   |    |   |   |   |    |
| Disease Management                                                   |   |    |   |    |   |   |   |    |
| Feed management                                                      |   |    |   |    |   |   |   |    |
| Production of quality animal products                                |   |    |   |    |   |   |   |    |
| Others, if any                                                       |   |    |   |    |   |   |   |    |
| <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                                    |   |    |   |    |   |   |   |    |
| Storage loss minimization techniques                                 |   |    |   |    |   |   |   |    |
| Enterprise development                                               |   |    |   |    |   |   |   |    |
| Value addition                                                       |   |    |   |    |   |   |   |    |
| Income generation activities for empowerment of rural Women          |   |    |   |    |   |   |   |    |
| Location specific drudgery reduction technologies                    |   |    |   |    |   |   |   |    |
| Rural Crafts                                                         |   |    |   |    |   |   |   |    |
| Capacity building                                                    |   |    |   |    |   |   |   |    |
| Women and child care                                                 |   |    |   |    |   |   |   |    |
| Others, if any                                                       |   |    |   |    |   |   |   |    |
| <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                                                                     |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <b>VII Plant Protection</b>                                                                 |  |  |  |  |  |  |  |  |
| Integrated Pest Management                                                                  |  |  |  |  |  |  |  |  |
| Integrated Disease Management                                                               |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases                                                           |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides                                         |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <b>VIII Fisheries</b>                                                                       |  |  |  |  |  |  |  |  |
| Integrated fish farming                                                                     |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management                                                       |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing                                                             |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease                                                       |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  |  |  |  |
| 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                                                          |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <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                                                                     |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |

|                                                         |           |            |            |            |            |           |            |            |
|---------------------------------------------------------|-----------|------------|------------|------------|------------|-----------|------------|------------|
| <b>X Capacity Building and Group Dynamics</b>           |           |            |            |            |            |           |            |            |
| Leadership development                                  |           |            |            |            |            |           |            |            |
| Group dynamics                                          |           |            |            |            |            |           |            |            |
| Formation and Management of SHGs                        |           |            |            |            |            |           |            |            |
| Mobilization of social capital                          |           |            |            |            |            |           |            |            |
| Entrepreneurial development of farmers/youths           |           |            |            |            |            |           |            |            |
| WTO and IPR issues                                      |           |            |            |            |            |           |            |            |
| Others, if any                                          |           |            |            |            |            |           |            |            |
| <b>XI Agro-forestry</b>                                 |           |            |            |            |            |           |            |            |
| Production technologies                                 |           |            |            |            |            |           |            |            |
| Nursery management                                      |           |            |            |            |            |           |            |            |
| Integrated Farming Systems                              |           |            |            |            |            |           |            |            |
| <b>XII Others (Pl. Specify)</b>                         |           |            |            |            |            |           |            |            |
| <b>TOTAL</b>                                            | <b>24</b> | <b>329</b> | <b>105</b> | <b>434</b> | <b>120</b> | <b>66</b> | <b>186</b> | <b>620</b> |
| <b>(B) RURAL YOUTH</b>                                  |           |            |            |            |            |           |            |            |
| Mushroom Production                                     | 2         | 26         | 8          | 34         | 10         | 6         | 16         | 50         |
| Bee-keeping                                             |           |            |            |            |            |           |            |            |
| Integrated farming                                      |           |            |            |            |            |           |            |            |
| Seed production                                         | 5         | 71         | 24         | 95         | 27         | 13        | 40         | 135        |
| Production of organic inputs                            | 3         | 39         | 12         | 51         | 15         | 9         | 24         | 75         |
| Planting material production                            | 1         | 13         | 4          | 17         | 5          | 3         | 8          | 25         |
| Vermi-culture                                           | 3         | 45         | 20         | 65         | 13         | 7         | 20         | 85         |
| Sericulture                                             |           |            |            |            |            |           |            |            |
| Protected cultivation of vegetable crops                |           |            |            |            |            |           |            |            |
| Commercial fruit production                             | 1         | 13         | 4          | 17         | 5          | 3         | 8          | 25         |
| Repair and maintenance of farm machinery and implements |           |            |            |            |            |           |            |            |
| Nursery Management of Horticulture crops                | 1         | 16         | 6          | 22         | 6          | 2         | 8          | 30         |
| Training and pruning of orchards                        | 2         | 29         | 10         | 39         | 11         | 5         | 16         | 55         |
| Value addition                                          |           |            |            |            |            |           |            |            |
| 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                               |           |            |           |            |           |           |            |            |
| Rural Crafts                                          |           |            |           |            |           |           |            |            |
| Enterprise development                                |           |            |           |            |           |           |            |            |
| Others, if any                                        |           |            |           |            |           |           |            |            |
| <b>TOTAL</b>                                          | <b>18</b> | <b>252</b> | <b>88</b> | <b>340</b> | <b>92</b> | <b>48</b> | <b>140</b> | <b>480</b> |
| <b>(C) Extension Personnel</b>                        |           |            |           |            |           |           |            |            |
| Productivity enhancement in field crops               | 1         | 13         | 4         | 17         | 5         | 3         | 8          | 25         |
| Integrated Pest Management                            |           |            |           |            |           |           |            |            |
| Integrated Nutrient management                        | 1         | 13         | 4         | 17         | 5         | 3         | 8          | 25         |
| Rejuvenation of old orchards                          |           |            |           |            |           |           |            |            |
| Value addition                                        |           |            |           |            |           |           |            |            |
| Protected cultivation technology                      | 1         | 13         | 4         | 17         | 6         | 2         | 8          | 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                  | 1         | 13         | 4         | 17         | 5         | 3         | 8          | 25         |
| Gender mainstreaming through SHGs                     |           |            |           |            |           |           |            |            |
| Crop intensification                                  |           |            |           |            |           |           |            |            |
| Others                                                | 8         | 107        | 34        | 141        | 42        | 22        | 64         | 205        |
| <b>TOTAL</b>                                          | <b>12</b> | <b>159</b> | <b>50</b> | <b>209</b> | <b>63</b> | <b>33</b> | <b>96</b>  | <b>305</b> |
| <b>G. Total</b>                                       |           |            |           |            |           |           |            |            |

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

| Thematic Area                                         | No. of Courses | No. of Participants |    |       |    |    |    |             |
|-------------------------------------------------------|----------------|---------------------|----|-------|----|----|----|-------------|
|                                                       |                | Others              |    | SC/ST |    |    |    | Grand Total |
|                                                       |                | M                   | F  | T     | M  | F  | T  |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                     |    |       |    |    |    |             |
| <b>I Crop Production</b>                              |                |                     |    |       |    |    |    |             |
| Weed Management                                       |                |                     |    |       |    |    |    |             |
| Resource Conservation Technologies                    |                |                     |    |       |    |    |    |             |
| Cropping Systems                                      |                |                     |    |       |    |    |    |             |
| Crop Diversification                                  | 3              | 48                  | 20 | 68    | 18 | 8  | 26 | 94          |
| Integrated Farming                                    |                |                     |    |       |    |    |    |             |
| Water management                                      |                |                     |    |       |    |    |    |             |
| Seed production                                       | 6              | 94                  | 39 | 133   | 39 | 14 | 53 | 186         |
| Nursery management                                    |                |                     |    |       |    |    |    |             |
| Integrated Crop Management                            |                |                     |    |       |    |    |    |             |
| Fodder production                                     |                |                     |    |       |    |    |    |             |
| Production of organic inputs                          |                |                     |    |       |    |    |    |             |
| Others, if any                                        | 1              | 16                  | 6  | 22    | 6  | 2  | 8  | 30          |
| <b>II Horticulture</b>                                |                |                     |    |       |    |    |    |             |
| <b>a) Vegetable Crops</b>                             |                |                     |    |       |    |    |    |             |
| Integrated nutrient management                        | 3              | 39                  | 12 | 51    | 15 | 9  | 24 | 75          |
| Water management                                      |                |                     |    |       |    |    |    |             |
| Enterprise development                                |                |                     |    |       |    |    |    |             |
| Skill development                                     |                |                     |    |       |    |    |    |             |
| Yield increment                                       |                |                     |    |       |    |    |    |             |
| Production of low volume and high value crops         | 2              | 26                  | 7  | 33    | 8  | 5  | 13 | 36          |
| Off-season vegetables                                 |                |                     |    |       |    |    |    |             |
| Nursery raising                                       | 2              | 26                  | 8  | 34    | 10 | 6  | 16 | 50          |
| Export potential vegetables                           | 1              | 13                  | 4  | 17    | 5  | 3  | 8  | 25          |
| Grading and standardization                           |                |                     |    |       |    |    |    |             |
| Protective cultivation (Green Houses, Shade Net etc.) |                |                     |    |       |    |    |    |             |
| Training and Pruning                                  |                |                     |    |       |    |    |    |             |
| Others, if any                                        | 02             | 26                  | 8  | 34    | 11 | 5  | 16 | 50          |
| <b>b) Fruits</b>                                      |                |                     |    |       |    |    |    |             |
| Layout and Management of Orchards                     | 1              | 13                  | 4  | 17    | 5  | 3  | 8  | 25          |
| Cultivation of Fruit                                  |                |                     |    |       |    |    |    |             |
| Management of young plants/orchards                   | 1              | 13                  | 4  | 17    | 5  | 3  | 8  | 25          |
| Rejuvenation of old orchards                          |                |                     |    |       |    |    |    |             |
| Export potential fruits                               |                |                     |    |       |    |    |    |             |
| Micro irrigation systems of orchards                  |                |                     |    |       |    |    |    |             |

|                                                 |   |    |    |    |    |   |    |    |
|-------------------------------------------------|---|----|----|----|----|---|----|----|
| Plant propagation techniques                    | 1 | 13 | 4  | 17 | 5  | 3 | 8  | 25 |
| Others, if any                                  |   |    |    |    |    |   |    |    |
| <b>c) Ornamental Plants</b>                     |   |    |    |    |    |   |    |    |
| Nursery Management                              |   |    |    |    |    |   |    |    |
| Management of potted plants                     |   |    |    |    |    |   |    |    |
| Export potential of ornamental plants           |   |    |    |    |    |   |    |    |
| Propagation techniques of Ornamental Plants     |   |    |    |    |    |   |    |    |
| Others, if any                                  |   |    |    |    |    |   |    |    |
| <b>d) Plantation crops</b>                      |   |    |    |    |    |   |    |    |
| Production and Management technology            | 1 | 13 | 4  | 17 | 5  | 3 | 8  | 25 |
| Processing and value addition                   |   |    |    |    |    |   |    |    |
| Others, if any                                  |   |    |    |    |    |   |    |    |
| <b>e) Tuber crops</b>                           |   |    |    |    |    |   |    |    |
| Production and Management technology            |   |    |    |    |    |   |    |    |
| Processing and value addition                   |   |    |    |    |    |   |    |    |
| Others, if any                                  |   |    |    |    |    |   |    |    |
| <b>f) Spices</b>                                |   |    |    |    |    |   |    |    |
| Production and Management technology            |   |    |    |    |    |   |    |    |
| Processing and value addition                   |   |    |    |    |    |   |    |    |
| Others, if any                                  |   |    |    |    |    |   |    |    |
| <b>g) Medicinal and Aromatic Plants</b>         |   |    |    |    |    |   |    |    |
| Nursery management                              |   |    |    |    |    |   |    |    |
| Production and management technology            |   |    |    |    |    |   |    |    |
| Post harvest technology and value addition      |   |    |    |    |    |   |    |    |
| Others, if any                                  |   |    |    |    |    |   |    |    |
| <b>III Soil Health and Fertility Management</b> |   |    |    |    |    |   |    |    |
| Soil fertility management                       | 1 | 13 | 4  | 17 | 5  | 3 | 8  | 25 |
| Soil and Water Conservation                     |   |    |    |    |    |   |    |    |
| Integrated Nutrient Management                  | 3 | 39 | 12 | 51 | 15 | 9 | 24 | 75 |
| Production and use of organic inputs            | 1 | 13 | 4  | 17 | 5  | 3 | 8  | 25 |
| Management of Problematic soils                 |   |    |    |    |    |   |    |    |
| Micro nutrient deficiency in crops              |   |    |    |    |    |   |    |    |
| Nutrient Use Efficiency                         |   |    |    |    |    |   |    |    |
| Soil and Water Testing                          |   |    |    |    |    |   |    |    |
| Others, if any                                  | 1 | 13 | 4  | 17 | 5  | 3 | 8  | 25 |
| <b>IV Livestock Production and Management</b>   |   |    |    |    |    |   |    |    |
| Dairy Management                                |   |    |    |    |    |   |    |    |
| Poultry Management                              |   |    |    |    |    |   |    |    |
| Piggery Management                              |   |    |    |    |    |   |    |    |
| Rabbit Management                               |   |    |    |    |    |   |    |    |
| Disease Management                              |   |    |    |    |    |   |    |    |
| Feed management                                 |   |    |    |    |    |   |    |    |

|                                                                      |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| Production of quality animal products                                |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <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                                    |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques                                 |  |  |  |  |  |  |  |  |
| Enterprise development                                               |  |  |  |  |  |  |  |  |
| Value addition                                                       |  |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women          |  |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies                    |  |  |  |  |  |  |  |  |
| Rural Crafts                                                         |  |  |  |  |  |  |  |  |
| Capacity building                                                    |  |  |  |  |  |  |  |  |
| Women and child care                                                 |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <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                                              |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <b>VII Plant Protection</b>                                          |  |  |  |  |  |  |  |  |
| Integrated Pest Management                                           |  |  |  |  |  |  |  |  |
| Integrated Disease Management                                        |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases                                    |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides                  |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <b>VIII Fisheries</b>                                                |  |  |  |  |  |  |  |  |
| Integrated fish farming                                              |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management                                |  |  |  |  |  |  |  |  |

|                                                                                             |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| Carp fry and fingerling rearing                                                             |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease                                                       |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  |  |  |  |
| 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                                                          |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <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                                                                     |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <b>X Capacity Building and Group Dynamics</b>                                               |  |  |  |  |  |  |  |  |
| Leadership development                                                                      |  |  |  |  |  |  |  |  |
| Group dynamics                                                                              |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs                                                            |  |  |  |  |  |  |  |  |
| Mobilization of social capital                                                              |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths                                               |  |  |  |  |  |  |  |  |
| WTO and IPR issues                                                                          |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <b>XI Agro-forestry</b>                                                                     |  |  |  |  |  |  |  |  |
| Production technologies                                                                     |  |  |  |  |  |  |  |  |
| Nursery management                                                                          |  |  |  |  |  |  |  |  |
| Integrated Farming Systems                                                                  |  |  |  |  |  |  |  |  |
| <b>XII Others (Pl. Specify)</b>                                                             |  |  |  |  |  |  |  |  |

|                                                         |           |            |            |            |            |           |            |            |
|---------------------------------------------------------|-----------|------------|------------|------------|------------|-----------|------------|------------|
| <b>TOTAL</b>                                            | <b>30</b> | <b>418</b> | <b>144</b> | <b>562</b> | <b>162</b> | <b>82</b> | <b>244</b> | <b>806</b> |
| <b>(B) RURAL YOUTH</b>                                  |           |            |            |            |            |           |            |            |
| Mushroom Production                                     |           |            |            |            |            |           |            |            |
| Bee-keeping                                             |           |            |            |            |            |           |            |            |
| Integrated farming                                      |           |            |            |            |            |           |            |            |
| Seed production                                         |           |            |            |            |            |           |            |            |
| Production of organic inputs                            |           |            |            |            |            |           |            |            |
| Planting material production                            |           |            |            |            |            |           |            |            |
| Vermi-culture                                           |           |            |            |            |            |           |            |            |
| Sericulture                                             |           |            |            |            |            |           |            |            |
| Protected cultivation of vegetable crops                |           |            |            |            |            |           |            |            |
| Commercial fruit production                             |           |            |            |            |            |           |            |            |
| Repair and maintenance of farm machinery and implements |           |            |            |            |            |           |            |            |
| Nursery Management of Horticulture crops                |           |            |            |            |            |           |            |            |
| Training and pruning of orchards                        |           |            |            |            |            |           |            |            |
| Value addition                                          |           |            |            |            |            |           |            |            |
| 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                                 |           |            |            |            |            |           |            |            |
| Rural Crafts                                            |           |            |            |            |            |           |            |            |
| Enterprise development                                  |           |            |            |            |            |           |            |            |
| Others, if any                                          |           |            |            |            |            |           |            |            |
| <b>TOTAL</b>                                            |           |            |            |            |            |           |            |            |
| <b>(C) Extension Personnel</b>                          |           |            |            |            |            |           |            |            |

|                                                       |          |           |          |           |           |          |           |           |
|-------------------------------------------------------|----------|-----------|----------|-----------|-----------|----------|-----------|-----------|
| Productivity enhancement in field crops               |          |           |          |           |           |          |           |           |
| Integrated Pest Management                            |          |           |          |           |           |          |           |           |
| Integrated Nutrient management                        |          |           |          |           |           |          |           |           |
| Rejuvenation of old orchards                          |          |           |          |           |           |          |           |           |
| Value addition                                        | 1        | 13        | 4        | 17        | 6         | 2        | 8         | 25        |
| Protected cultivation technology                      | 1        | 13        | 4        | 17        | 6         | 2        | 8         | 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                     |          |           |          |           |           |          |           |           |
| Crop intensification                                  |          |           |          |           |           |          |           |           |
| <b>TOTAL</b>                                          | <b>2</b> | <b>26</b> | <b>8</b> | <b>34</b> | <b>12</b> | <b>4</b> | <b>16</b> | <b>50</b> |
| <b>G. Total</b>                                       |          |           |          |           |           |          |           |           |

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

| Thematic Area                       | No. of Courses | No. of Participants |    |       |    |    |    |             |
|-------------------------------------|----------------|---------------------|----|-------|----|----|----|-------------|
|                                     |                | Others              |    | SC/ST |    |    |    | Grand Total |
|                                     |                | M                   | F  | T     | M  | F  | T  |             |
| <b>(A) Farmers &amp; Farm Women</b> |                |                     |    |       |    |    |    |             |
| <b>I Crop Production</b>            |                |                     |    |       |    |    |    |             |
| Weed Management                     |                |                     |    |       |    |    |    |             |
| Resource Conservation Technologies  |                |                     |    |       |    |    |    |             |
| Cropping Systems                    |                |                     |    |       |    |    |    |             |
| Crop Diversification                | 4              | 64                  | 26 | 90    | 24 | 10 | 34 | 124         |
| Integrated Farming                  | 2              | 30                  | 10 | 40    | 12 | 6  | 18 | 58          |
| Water management                    |                |                     |    |       |    |    |    |             |
| Seed production                     | 9              | 142                 | 57 | 199   | 57 | 20 | 77 | 276         |
| Nursery management                  |                |                     |    |       |    |    |    |             |
| Integrated Crop Management          |                |                     |    |       |    |    |    |             |
| Fodder production                   |                |                     |    |       |    |    |    |             |
| Production of organic inputs        |                |                     |    |       |    |    |    |             |

|                                                       |   |    |    |    |    |    |    |     |
|-------------------------------------------------------|---|----|----|----|----|----|----|-----|
| Others, if any                                        | 1 | 16 | 6  | 22 | 6  | 2  | 8  | 30  |
| <b>II Horticulture</b>                                |   |    |    |    |    |    |    |     |
| <b>a) Vegetable Crops</b>                             |   |    |    |    |    |    |    |     |
| Integrated nutrient management                        | 4 | 52 | 16 | 68 | 20 | 12 | 32 | 100 |
| Water management                                      | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Enterprise development                                |   |    |    |    |    |    |    |     |
| Skill development                                     |   |    |    |    |    |    |    |     |
| Yield increment                                       | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Production of low volume and high value crops         | 3 | 39 | 11 | 50 | 13 | 8  | 21 | 71  |
| Off-season vegetables                                 |   |    |    |    |    |    |    |     |
| Nursery raising                                       | 3 | 39 | 12 | 51 | 15 | 9  | 24 | 75  |
| Export potential vegetables                           | 2 | 26 | 8  | 34 | 10 | 6  | 16 | 50  |
| Grading and standardization                           |   |    |    |    |    |    |    |     |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | 14 | 2  | 16 | 2  | 2  | 4  | 20  |
| Training and Pruning                                  |   |    |    |    |    |    |    |     |
| Others, if any                                        | 4 | 52 | 17 | 69 | 18 | 10 | 28 | 97  |
| <b>b) Fruits</b>                                      |   |    |    |    |    |    |    |     |
| Layout and Management of Orchards                     | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Cultivation of Fruit                                  |   |    |    |    |    |    |    |     |
| Management of young plants/orchards                   | 2 | 26 | 8  | 34 | 10 | 6  | 16 | 50  |
| Rejuvenation of old orchards                          | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Export potential fruits                               |   |    |    |    |    |    |    |     |
| Micro irrigation systems of orchards                  |   |    |    |    |    |    |    |     |
| Plant propagation techniques                          | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Others, if any                                        | 1 | 1  | 13 | 4  | 17 | 5  | 3  | 8   |
| <b>c) Ornamental Plants</b>                           |   |    |    |    |    |    |    |     |
| Nursery Management                                    |   |    |    |    |    |    |    |     |
| Management of potted plants                           |   |    |    |    |    |    |    |     |
| Export potential of ornamental plants                 |   |    |    |    |    |    |    |     |
| Propagation techniques of Ornamental Plants           | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Others, if any                                        |   |    |    |    |    |    |    |     |
| <b>d) Plantation crops</b>                            |   |    |    |    |    |    |    |     |
| Production and Management technology                  |   |    |    |    |    |    |    |     |
| Processing and value addition                         |   |    |    |    |    |    |    |     |
| Others, if any                                        |   |    |    |    |    |    |    |     |
| <b>e) Tuber crops</b>                                 |   |    |    |    |    |    |    |     |
| Production and Management technology                  |   |    |    |    |    |    |    |     |
| Processing and value addition                         |   |    |    |    |    |    |    |     |
| Others, if any                                        |   |    |    |    |    |    |    |     |
| <b>f) Spices</b>                                      |   |    |    |    |    |    |    |     |

|                                                                      |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| Production and Management technology                                 |  |  |  |  |  |  |  |  |
| Processing and value addition                                        |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <b>g) Medicinal and Aromatic Plants</b>                              |  |  |  |  |  |  |  |  |
| Nursery management                                                   |  |  |  |  |  |  |  |  |
| Production and management technology                                 |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition                           |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <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                                               |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <b>IV Livestock Production and Management</b>                        |  |  |  |  |  |  |  |  |
| Dairy Management                                                     |  |  |  |  |  |  |  |  |
| Poultry Management                                                   |  |  |  |  |  |  |  |  |
| Piggery Management                                                   |  |  |  |  |  |  |  |  |
| Rabbit Management                                                    |  |  |  |  |  |  |  |  |
| Disease Management                                                   |  |  |  |  |  |  |  |  |
| Feed management                                                      |  |  |  |  |  |  |  |  |
| Production of quality animal products                                |  |  |  |  |  |  |  |  |
| Others, if any                                                       |  |  |  |  |  |  |  |  |
| <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                                    |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques                                 |  |  |  |  |  |  |  |  |
| Enterprise development                                               |  |  |  |  |  |  |  |  |
| Value addition                                                       |  |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women          |  |  |  |  |  |  |  |  |

|                                                                                             |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| Location specific drudgery reduction technologies                                           |  |  |  |  |  |  |  |  |
| Rural Crafts                                                                                |  |  |  |  |  |  |  |  |
| Capacity building                                                                           |  |  |  |  |  |  |  |  |
| Women and child care                                                                        |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <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                                                                     |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <b>VII Plant Protection</b>                                                                 |  |  |  |  |  |  |  |  |
| Integrated Pest Management                                                                  |  |  |  |  |  |  |  |  |
| Integrated Disease Management                                                               |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases                                                           |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides                                         |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <b>VIII Fisheries</b>                                                                       |  |  |  |  |  |  |  |  |
| Integrated fish farming                                                                     |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management                                                       |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing                                                             |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease                                                       |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  |  |  |  |
| 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                                                          |  |  |  |  |  |  |  |  |
| Others, if any                                                                              |  |  |  |  |  |  |  |  |
| <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                                 |   |    |    |    |    |    |    |     |
| Others, if any                                          |   |    |    |    |    |    |    |     |
| <b>X Capacity Building and Group Dynamics</b>           |   |    |    |    |    |    |    |     |
| Leadership development                                  |   |    |    |    |    |    |    |     |
| Group dynamics                                          |   |    |    |    |    |    |    |     |
| Formation and Management of SHGs                        |   |    |    |    |    |    |    |     |
| Mobilization of social capital                          |   |    |    |    |    |    |    |     |
| Entrepreneurial development of farmers/youths           |   |    |    |    |    |    |    |     |
| WTO and IPR issues                                      |   |    |    |    |    |    |    |     |
| Others, if any                                          |   |    |    |    |    |    |    |     |
| <b>XI Agro-forestry</b>                                 |   |    |    |    |    |    |    |     |
| Production technologies                                 |   |    |    |    |    |    |    |     |
| Nursery management                                      |   |    |    |    |    |    |    |     |
| Integrated Farming Systems                              |   |    |    |    |    |    |    |     |
| <b>XII Others (Pl. Specify)</b>                         |   |    |    |    |    |    |    |     |
| <b>TOTAL</b>                                            |   |    |    |    |    |    |    |     |
| <b>(B) RURAL YOUTH</b>                                  |   |    |    |    |    |    |    |     |
| Mushroom Production                                     | 2 | 26 | 8  | 34 | 10 | 6  | 16 | 50  |
| Bee-keeping                                             |   |    |    |    |    |    |    |     |
| Integrated farming                                      |   |    |    |    |    |    |    |     |
| Seed production                                         | 5 | 71 | 24 | 95 | 27 | 13 | 40 | 135 |
| Production of organic inputs                            | 3 | 39 | 12 | 51 | 15 | 9  | 24 | 75  |
| Planting material production                            | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Vermi-culture                                           | 3 | 45 | 20 | 65 | 13 | 7  | 20 | 85  |
| Sericulture                                             |   |    |    |    |    |    |    |     |
| Protected cultivation of vegetable crops                |   |    |    |    |    |    |    |     |
| Commercial fruit production                             | 1 | 13 | 4  | 17 | 5  | 3  | 8  | 25  |
| Repair and maintenance of farm machinery and implements |   |    |    |    |    |    |    |     |
| Nursery Management of Horticulture crops                | 1 | 16 | 6  | 22 | 6  | 2  | 8  | 30  |
| Training and pruning of orchards                        | 2 | 29 | 10 | 39 | 11 | 5  | 16 | 55  |

|                                                       |           |            |           |            |           |           |            |            |
|-------------------------------------------------------|-----------|------------|-----------|------------|-----------|-----------|------------|------------|
| Value addition                                        |           |            |           |            |           |           |            |            |
| 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                               |           |            |           |            |           |           |            |            |
| Rural Crafts                                          |           |            |           |            |           |           |            |            |
| Enterprise development                                |           |            |           |            |           |           |            |            |
| Others, if any                                        |           |            |           |            |           |           |            |            |
| <b>TOTAL</b>                                          | <b>18</b> | <b>252</b> | <b>88</b> | <b>340</b> | <b>92</b> | <b>48</b> | <b>140</b> | <b>480</b> |
| <b>(C) Extension Personnel</b>                        |           |            |           |            |           |           |            |            |
| Productivity enhancement in field crops               | 1         | 13         | 4         | 17         | 5         | 3         | 8          | 25         |
| Integrated Pest Management                            |           |            |           |            |           |           |            |            |
| Integrated Nutrient management                        | 1         | 13         | 4         | 17         | 5         | 3         | 8          | 25         |
| Rejuvenation of old orchards                          |           |            |           |            |           |           |            |            |
| Value addition                                        | 1         | 13         | 4         | 17         | 6         | 2         | 8          | 25         |
| Protected cultivation technology                      | 2         | 26         | 8         | 34         | 12        | 4         | 16         | 50         |
| 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           | 1         | 13          | 4          | 17          | 5          | 3          | 8          | 25          |
| Gender mainstreaming through SHGs              |           |             |            |             |            |            |            |             |
| Crop intensification                           |           |             |            |             |            |            |            |             |
| Others                                         | 8         | 107         | 34         | 141         | 42         | 22         | 64         | 205         |
| <b>TOTAL</b>                                   |           |             |            |             |            |            |            |             |
| <b>G. Total</b>                                | <b>86</b> | <b>1184</b> | <b>395</b> | <b>1579</b> | <b>449</b> | <b>233</b> | <b>682</b> | <b>2261</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 |     |     |
|------------------------------|-------------------|---------|-----|-----|----------|----------|---------------------|---|----|----------|----------|-------|-----|-----|
|                              |                   | M       | F   | T   | SC (no.) | ST (no.) | M                   | F | T  | SC (no.) | ST (no.) | M     | F   | T   |
| Field day                    | 12                | 610     | 201 | 811 | 121      | 0        | 10                  | 2 | 12 | 0        | 0        | 620   | 203 | 823 |
| Kisan Mela                   | 1                 | 364     | 189 | 553 | 87       | 21       | 9                   | 4 | 13 | 0        | 0        | 373   | 193 | 566 |
| Kishan Ghosthi               | 12                | 250     | 50  | 300 | 0        | 0        | 0                   | 0 | 0  | 0        | 0        | 250   | 50  | 300 |
| Exhibition                   | 4                 | 150     | 30  | 180 | 20       | 0        | 0                   | 0 | 0  | 0        | 0        | 150   | 50  | 200 |
| Ex-trainees sammelan         | 4                 | 100     | 25  | 125 | 0        | 0        | 0                   | 0 | 0  | 0        | 0        | 100   | 25  | 125 |
| Special day celebration      | 8                 | 454     | 46  | 455 | 30       | 15       | 0                   | 0 | 0  | 0        | 0        | 454   | 46  | 500 |
| Animal health camp           | 2                 | 120     | 20  | 140 | 40       | 20       | 0                   | 0 | 0  | 0        | 0        | 160   | 40  | 200 |
| Soil test camp               | 3                 | 100     | 0   | 100 | 0        | 0        | 0                   | 0 | 0  | 0        | 0        | 100   | 0   | 100 |
| Soil health camp             | 3                 | 100     | 15  | 115 | 24       | 0        | 0                   | 0 | 0  | 0        | 0        | 139   | 15  | 154 |
| SHG conveners meeting        | 2                 | 40      | 10  | 50  | 0        | 0        | 0                   | 0 | 0  | 0        | 0        | 40    | 10  | 50  |
| Farmer Scientist interaction | 2                 | 45      | 5   | 50  | 0        | 0        | 0                   | 0 | 0  | 0        | 0        | 45    | 5   | 50  |
| Scientist visit to farmers   | 150               | 160     | 40  | 200 | 25       | 0        | 0                   | 0 | 0  | 0        | 0        | 175   | 40  | 215 |

|                      |    |      |     |      |     |   |   |   |   |   |   |      |     |      |
|----------------------|----|------|-----|------|-----|---|---|---|---|---|---|------|-----|------|
| field                |    |      |     |      |     |   |   |   |   |   |   |      |     |      |
| Advisory Services    | 50 | 1604 | 264 | 1868 | 186 | 0 | 0 | 0 | 0 | 0 | 0 | 1604 | 264 | 1868 |
| Diagnostic visits    | 15 | 88   | 0   | 88   | 10  | 0 | 0 | 0 | 0 | 0 | 0 | 88   | 0   | 88   |
| Exposure visits      | 7  | 652  | 199 | 851  | 220 | 0 | 0 | 0 | 0 | 0 | 0 | 652  | 199 | 851  |
| Ex-trainees Sammelan | 0  | 0    | 0   | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0    | 0   | 0    |
| Agri mobile clinic   | 2  | 29   | 4   | 33   | 2   | 0 | 0 | 0 | 0 | 0 | 0 | 29   | 4   | 33   |
| Sankalp Se Siddhi    | 0  | 0    | 0   | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0    | 0   | 0    |
| Swatchta Hi Sewa     | 6  | 64   | 75  | 139  | 43  | 0 |   |   | 0 |   |   | 64   | 75  | 139  |

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

#### A) SEED MATERIALS

| Sl. No.                 | Crop           | Variety   | Quantity (q) |
|-------------------------|----------------|-----------|--------------|
| <b>CEREALS</b>          | Paddy          | R Sweta   | 140          |
|                         | Wheat          | HD 2967   | 90           |
| <b>OILSEEDS</b>         | Mustard        | RH 761    | 35           |
| <b>PULSES</b>           | Lentil         | IPL 316   | 40           |
|                         | Chick pea      | S Chana 1 | 30           |
|                         | Lathyrus       | Ratan     | 6.5          |
|                         | Green gram     | Sikha     | 8.0          |
| <b>VEGETABLES</b>       |                |           |              |
| <b>OTHERS (Specify)</b> | Mushroom Spawn | Oyster    | 8.0          |

#### B) PLANTING MATERIALS

| Sl. No.           | Crop   | Variety                            | Quantity (Nos.) |
|-------------------|--------|------------------------------------|-----------------|
| <b>FRUITS</b>     | Mango  | Mallika, Maldah, Amrapali, Jardalu | 3000            |
|                   | Lemon  | Purbi Kagzi                        | 1000            |
| <b>SPICES</b>     |        |                                    |                 |
| <b>VEGETABLES</b> | Tomato | Arka Apeksha & Arka                | 2000            |

|                         |             |                |              |
|-------------------------|-------------|----------------|--------------|
|                         |             | Rakshak        |              |
|                         | Chilli      |                | 2000         |
|                         | Brinjal     | Arka Kusumakar | 2000         |
|                         | Cauliflower | Sabour Agrim   | 2500         |
| <b>FOREST SPECIES</b>   |             |                |              |
| <b>ORNAMENTAL CROPS</b> |             |                |              |
|                         |             | <b>Total</b>   | <b>12500</b> |

### C) BIO-PRODUCT

| Sl. No.               | Product Name | Species | Quantity |      |
|-----------------------|--------------|---------|----------|------|
|                       |              |         | No       | (kg) |
| <b>BIO PESTICIDES</b> |              |         |          |      |
| 1                     |              |         |          |      |
| 2                     |              |         |          |      |

### D) LIVESTOCK

| Sl. No.     | Type | Breed | Quantity |      |
|-------------|------|-------|----------|------|
|             |      |       | (Nos)    | Unit |
| Cattle      |      |       |          |      |
| GOAT        |      |       |          |      |
| SHEEP       |      |       |          |      |
| POULTRY     |      |       |          |      |
| Pig farming |      |       |          |      |
| FISHERIES   |      |       |          |      |
|             |      |       |          |      |

### 3.6 Literature to be Developed/Published

#### (A) KVK News Letter ( Krishak Samachar- quarterly)

Date of start : January-March  
April – June  
July – September  
October- December 2025

Number of copies to be published : 2000

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

| S. No. | Topic                          | Number    |
|--------|--------------------------------|-----------|
| 1      | Research paper each scientist  | 01        |
| 2      | Technical reports              | 04        |
| 3      | Newsletters (Krishak Sandesh)  | 1         |
| 4      | Training manual all discipline | 4         |
| 5      | Popular article                | 8         |
| 6      | Extension literature           | 4         |
|        | <b>Total</b>                   | <b>22</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      |                                                                                  |                      |        |
|        |                                                                                  |                      |        |

**3.7. Success stories/Case studies identified for development as a case - Revival of Lathyrus cultivation**

- 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) PRA
- b) SWOT analysis
- c) Feedback analysis

**Rural Youth**

- a) Need assessment through questionnaire/personal visit
- b) SWOT analysis
- c) Feedback analysis

**In-service personnel**

- a) Pre Training Knowledge evaluation through questionnaire
- b) Major crop in the area
- c) Feed back analysis

**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

**For FLD:**

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

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village:
- iii. No. of PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological–horizontal/vertical)
- vii. 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       | Spectrophotometer                   | 1        | 156000.00  |
| 2       | pH meter                            | 1        | 15000.00   |
| 3       | Conductivity meter                  | 1        | 15000.00   |
| 4       | Flame photometer                    | 1        | 85000.00   |
| 5       | Physical balance                    | 1        | 8500.00    |
| 6       | Conductivity meter                  | 1        | 16000.00   |
| 7       | Atomic absorption spectrophotometer | 1        | 1060000.00 |
| 8       | Glass distillation unit             | 1        | 26500.00   |
| 9       | Hot plate                           | 1        | 14000.00   |
| 10      | Hot air oven                        | 1        | 64500.00   |
| 11      | Mechanical shaker                   | 1        | 24000.00   |

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

| Details      | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
|--------------|----------------|----------------|-----------------|-----------------------|
| Soil Samples | 1000           | 1000           | 25              | 200000.0              |
| Water        |                |                |                 |                       |
| Plant        |                |                |                 |                       |
| <b>Total</b> | <b>1000</b>    | <b>1000</b>    | <b>25</b>       | <b>200000.0</b>       |

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations/department

| Sl. No. | Name of organization                                                       | Nature of linkage                                                              |
|---------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1       | ICAR Complex for East region, Patna                                        | Technical knowhow of water saving technology for different crop.               |
| 2       | Agricultural Technology Management Agency (ATMA) Patna                     | To Conduct training and demonstration in the farmer's field.                   |
| 3       | District Agricultural Office, Patna                                        | Technical feedback, Human Resource development & transfer of technology.       |
| 4       | District Horticulture Office, Patna                                        | Technical feedback, Human Resource development & transfer of technology.       |
| 5       | District Fisheries Office, Patna                                           | Technical feedback, Human Resource development & transfer of technology.       |
| 6       | District Animal Husbandry office, Patna                                    | Technical feedback on dairy development                                        |
| 7       | Bihar Agricultural Management Extension Training Institute (BAMETI), Patna | Technical feedback, Human Resource development transfer of technology.         |
| 8       | JEEVIKA, PATNA and other NGOs of the district                              | Capacity building of farmers, farmwomen and rural youth for income generation. |
| 9       | Other KVKs of the state                                                    | Seed & planting material, training and exposure visit of farmer.               |
| 10      | Sri Ram fertilizer & Chemical Limited, Patna                               | Technical knowhow of fertilizer management for different crop.                 |
| 11      | NABARD                                                                     | Creating Awareness on Agriculture among farmers and formation of Kisan club    |
| 12      | BSDM, Patna                                                                | Skill Development Training                                                     |
| 13      | ASCI, New Delhi                                                            | Skill Development Training                                                     |
| 14      | SMART, New Delhi                                                           | TB Awareness & other program through CRS                                       |
| 15      | BASU, Patna                                                                | Animal Health Camp & Training programme                                        |
| 16      | BREDA, Patna                                                               | Training & Awareness                                                           |
| 17      | NIAM Jaipur                                                                | Training & Awareness                                                           |
| 18      | CIAE, Bhopal                                                               | Training on value added product of Soybean                                     |

## 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

| S. No. | Programme                        | Nature of linkage | Outcome of linkage |
|--------|----------------------------------|-------------------|--------------------|
| 1      | Kisan Vaigyanik Milan Samaroh    | Joint Programme   | 02 Programme       |
| 2      | Scientist Visit to Farmers field | Joint Programme   | 12 Programme       |
| 3      | Crop Cutting                     | Joint Programme   | 04 Programme       |
| 4      | Kharif & Rabi Mahabhiyan         | Joint Programme   | 02 Programme       |

## 5. Utilization of Hostel facilities

| S. No. | Programme    | No. of days |
|--------|--------------|-------------|
| 1      | RHWE         | 180         |
| 2      | RHWE         | 180         |
|        | <b>Total</b> | <b>360</b>  |

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

Annexure - I

### Training Programme

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

| Date         | Clientele | Title of the training programme                                  | Dura<br>tion<br>in<br>days | No. of participants |   |    | Number of SC/ST |   |   | G. Total | Month of training |
|--------------|-----------|------------------------------------------------------------------|----------------------------|---------------------|---|----|-----------------|---|---|----------|-------------------|
|              |           |                                                                  |                            | M                   | F | T  | M               | F | T |          |                   |
| Soil Science |           |                                                                  |                            |                     |   |    |                 |   |   |          |                   |
|              | PF        | Natural Farming                                                  | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | January           |
|              | PF        | Soil fertility management through green manuring                 | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | March             |
|              | PF        | Role of Micronutrient in crop production                         | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | May               |
|              | PF        | Weed management in Maize                                         | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | July              |
|              | PF        | Importance of Biofertilizer in pulse production                  | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | September         |
|              | PF        | Nutrient Management in wheat                                     | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | November          |
| Horticulture |           |                                                                  |                            |                     |   |    |                 |   |   |          |                   |
|              | PF        | Low-cost shade Net houses for nursery raising of vegetable crop. | 1                          | 14                  | 2 | 16 | 2               | 2 | 4 | 20       | January           |
|              | PF        | Production techniques of oyster mushroom                         | 1                          | 13                  | 5 | 18 | 2               | 2 | 4 | 22       | February          |
|              | PF        | Scientific cultivation of                                        | 1                          | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | February          |

|                           |    |                                                                                   |   |    |   |    |   |   |    |    |           |
|---------------------------|----|-----------------------------------------------------------------------------------|---|----|---|----|---|---|----|----|-----------|
|                           |    | summer season vegetable.                                                          |   |    |   |    |   |   |    |    |           |
|                           | PF | Mulching techniques for moisture retention in Vegetable crops                     | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | April     |
|                           | PF | Nutrient management in cucurbitaceous vegetable crops                             | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | May       |
|                           | PF | Preparation methods of mango Jam                                                  | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | June      |
|                           | PF | nursery raising techniques of vegetable crop                                      | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | July      |
|                           | PF | Nutrient management in mango orchard                                              | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | August    |
|                           | PF | Commercial Cultivation of Exotic Vegetables: Broccoli, Lettuce, and Cherry Tomato | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | September |
|                           | PF | Production technology of Broccoli                                                 | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | October   |
|                           | PF | Rejuvenation of old mango orchard                                                 | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | November  |
|                           | PF | Weed management in leafy vegetables                                               | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | December  |
| Plant Breeding & Genetics |    |                                                                                   |   |    |   |    |   |   |    |    |           |
|                           | PF | Insect and Disease management practices in potato                                 | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | January   |
|                           | PF | Seed production of green gram and its importance in cropping system               | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | February  |
|                           | PF | Integrated farming system                                                         | 1 | 14 | 4 | 18 | 6 | 4 | 10 | 28 | May       |
|                           | PF | Importance of millets and its cultivation.                                        | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | May       |
|                           | PF | Seed production of Paddy                                                          | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | June      |
|                           | PF | Seed treatment of rabi pulses                                                     | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | October   |

#### 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 |          |                   |
| Soil Science |           |                                                      |                  |                     |   |    |                 |   |   |          |                   |
|              | PF        | Soil fertility management through green manuring     | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | February          |
|              | PF        | Major Plant nutrients and their functions            | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | April             |
|              | PF        | Preparation of different bioformulations for Natural | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       | June              |

|                                      |    |                                                                              |   |    |   |    |   |   |    |    |           |
|--------------------------------------|----|------------------------------------------------------------------------------|---|----|---|----|---|---|----|----|-----------|
|                                      |    | farming                                                                      |   |    |   |    |   |   |    |    |           |
|                                      | PF | Weed management in Paddy                                                     | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | August    |
|                                      | PF | Nutrient Management in Mustard                                               | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | October   |
|                                      | PF | Benefits of liquid fertilizer in improving nutrient use efficiency           | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | December  |
| <b>Horticulture</b>                  |    |                                                                              |   |    |   |    |   |   |    |    |           |
|                                      | PF | Post harvest processing and value addition of potato                         | 1 | 13 | 4 | 17 | 6 | 2 | 8  | 25 | January   |
|                                      | PF | Scientific cultivation of Okra and Lobia                                     | 1 | 13 | 3 | 16 | 3 | 2 | 5  | 21 | January   |
|                                      | PF | Nutrition rich vegetable for Childs pregnant woman.                          | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | February  |
|                                      | PF | Cultivation of summer season vegetable through natural farming               | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | March     |
|                                      | PF | Scientific management of different vegetable crop under kitchen garden       | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | April     |
|                                      | PF | Post-Harvest Management of Potato                                            | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | April     |
|                                      | PF | Principles and Methods of Mango and Litchi Orchard Planning and Design       | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | May       |
|                                      | PF | Scientific cultivation of Okra                                               | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | June      |
|                                      | PF | Plant propagation methods of Guava and lemon through Air layering techniques | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | July      |
|                                      | PF | Best Practices for Raising Healthy and Disease-Free Seedlings                | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | August    |
|                                      | PF | Zero tillage cultivation of potato under crop residue management             | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | September |
|                                      | PF | Improving Yield from Orchards through Canopy Management                      | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | October   |
|                                      | PF | Application of Jeevamrit and Ghanjivamrit on vegetable crop production       | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | November  |
|                                      | PF | Nutrient management in cruciferous vegetable crop                            | 1 | 13 | 4 | 17 | 5 | 3 | 8  | 25 | December  |
| <b>Plant Breeding &amp; Genetics</b> |    |                                                                              |   |    |   |    |   |   |    |    |           |
|                                      | PF | Seed storage of Wheat                                                        | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | March     |
|                                      | PF | Scientific cultivation of green gram for seed production                     | 1 | 16 | 5 | 21 | 7 | 4 | 11 | 32 | March     |

|  |    |                                                                |   |    |   |    |   |   |    |    |           |
|--|----|----------------------------------------------------------------|---|----|---|----|---|---|----|----|-----------|
|  | PF | Post harvest management in summer crop                         | 1 | 16 | 8 | 24 | 6 | 2 | 8  | 32 | April     |
|  | PF | Crop diversification through soybean in kharif season          | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | June      |
|  | PF | Importance of quality seed in crop yield                       | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | July      |
|  | PF | PPV&FRA                                                        | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | August    |
|  | PF | Mushroom production                                            | 1 | 16 | 8 | 24 | 6 | 4 | 10 | 34 | September |
|  | PF | Seed production of chickpea                                    | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | October   |
|  | PF | Package and practices in wheat with respect to seed production | 1 | 14 | 8 | 22 | 8 | 2 | 10 | 32 | November  |
|  | PF | Income generation through Mushroom production                  | 1 | 16 | 6 | 22 | 6 | 2 | 8  | 30 | December  |

## ii) Vocational training programmes for Rural Youth

| Crop / Enterprise           | Identified Thrust Area       | Training title*                                                                    | Duration (days) | No. of Participants |   |    | SC/ST participants |   |   | G. Total | Month of training |
|-----------------------------|------------------------------|------------------------------------------------------------------------------------|-----------------|---------------------|---|----|--------------------|---|---|----------|-------------------|
|                             |                              |                                                                                    |                 | M                   | F | T  | M                  | F | T |          |                   |
| Soil Science                |                              |                                                                                    |                 |                     |   |    |                    |   |   |          |                   |
| Natural farming             | Production of organic inputs | Natural farming- Preparation of bioformulations                                    | 5               | 13                  | 4 | 17 | 5                  | 3 | 8 | 25       | February          |
| Vermi compost               | Vermi-culture                | Vermi compost Production Technique                                                 | 5               | 13                  | 4 | 17 | 5                  | 3 | 8 | 25       | April             |
| Azolla and BGA              | Production of organic inputs | Azolla and BGA production Technique                                                | 5               | 13                  | 4 | 17 | 5                  | 3 | 8 | 25       | June              |
| Others                      | Production of organic inputs | Different plant Nutrients, their role, deficiency symptoms and corrective measures | 5               | 13                  | 4 | 17 | 5                  | 3 | 8 | 25       | September         |
| Skill Developm ent          | Vermi-culture                | Vermicompost Producer                                                              | 10              | 16                  | 8 | 24 | 4                  | 2 | 6 | 30       | July              |
| Skill Developm ent          | Vermi-culture                | Vermicompost Producer                                                              | 10              | 16                  | 8 | 24 | 4                  | 2 | 6 | 30       | October           |
| Horticulture                |                              |                                                                                    |                 |                     |   |    |                    |   |   |          |                   |
| Commercial fruit production | Commercial fruit production  | Establishment and Management of mango Orchard for commercial production            | 5               | 13                  | 4 | 17 | 5                  | 3 | 8 | 25       | April             |
| Planting material           | Planting material            | Planting material production techniques                                            | 5               | 13                  | 4 | 17 | 5                  | 3 | 8 | 25       | June              |

|                                      |                                  |                                                                  |    |    |   |    |   |   |   |    |           |
|--------------------------------------|----------------------------------|------------------------------------------------------------------|----|----|---|----|---|---|---|----|-----------|
| production                           | production                       | of fruit crops                                                   |    |    |   |    |   |   |   |    |           |
| Mushroom cultivation                 | Mushroom cultivation             | Scientific cultivation of different types of mushroom            | 5  | 13 | 4 | 17 | 5 | 3 | 8 | 25 | September |
| Training and pruning of orchards     | Training and pruning of orchards | Training and pruning Techniques of old orchard                   | 5  | 13 | 4 | 17 | 5 | 3 | 8 | 25 | November  |
| Skill Development                    |                                  | Tropical & sub-tropical fruit grower                             | 10 | 16 | 6 | 22 | 6 | 2 | 8 | 30 | May       |
| Skill Development                    |                                  | Vegetable Production                                             | 7  | 16 | 6 | 22 | 6 | 2 | 8 | 30 | October   |
| <b>Plant Breeding &amp; Genetics</b> |                                  |                                                                  |    |    |   |    |   |   |   |    |           |
| Seed production                      | Seed production                  | Seed production of Green gram                                    | 5  | 13 | 4 | 17 | 5 | 3 | 8 | 25 | March     |
| Seed production                      | Seed production                  | Principles and practices of seed production in Paddy             | 5  | 13 | 4 | 17 | 5 | 3 | 8 | 25 | June      |
| Seed production                      | Seed production                  | Principles and practices of seed production of Wheat and Mustard | 5  | 13 | 4 | 17 | 5 | 3 | 8 | 25 | August    |
| Mushroom Production                  | Mushroom Production              | Enhancing income through Mushroom Cultivation                    | 5  | 13 | 4 | 17 | 5 | 3 | 8 | 25 | October   |
| Seed production                      | Seed production                  | Principles and practices of seed production in Paddy             | 6  | 16 | 6 | 22 | 6 | 2 | 8 | 30 | May       |
| Seed production                      | Seed production                  | Quality seed grower                                              | 10 | 16 | 6 | 22 | 6 | 2 | 8 | 30 | Nov       |

### iii) Training programme for extension functionaries

| Date         | Clientele | Title of the training programme                                | Duration in days | No. of participants |   |    | Number of SC/ST |   |   | G. Total |
|--------------|-----------|----------------------------------------------------------------|------------------|---------------------|---|----|-----------------|---|---|----------|
|              |           |                                                                |                  | M                   | F | T  | M               | F | T |          |
| Soil Science |           |                                                                |                  |                     |   |    |                 |   |   |          |
| March        | EF        | Role of greengram cultivation in soil fertility management     | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       |
| April        | EF        | Package and practices under Natural farming                    | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       |
| May          | EF        | Role of liquid fertilizer in enhancing nutrient use efficiency | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       |
| June         | EF        | Weed management techniques                                     | 1                | 13                  | 4 | 17 | 5               | 3 | 8 | 25       |

|                                      |    |                                                                                  |   |    |   |    |   |   |   |    |
|--------------------------------------|----|----------------------------------------------------------------------------------|---|----|---|----|---|---|---|----|
|                                      |    | in Paddy                                                                         |   |    |   |    |   |   |   |    |
| October                              | EF | Weed management techniques in Wheat                                              | 1 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |
| November                             | EF | Benefits of seed treatment in crop production                                    | 1 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |
| <b>Horticulture</b>                  |    |                                                                                  |   |    |   |    |   |   |   |    |
| March                                | EF | Application of Bijamrit, Jeevamrit and Ghanjivamrit on vegetable crop production | 1 | 13 | 4 | 17 | 6 | 2 | 8 | 25 |
| June                                 | EF | Preparation methods of jam and jelly                                             | 1 | 13 | 4 | 17 | 6 | 2 | 8 | 25 |
| September                            | EF | Raising of different vegetable seedlings under low cost protected cultivation    | 1 | 13 | 4 | 17 | 6 | 2 | 8 | 25 |
| November                             | EF | Scientific cultivation of oyster mushroom                                        | 1 | 13 | 4 | 17 | 6 | 2 | 8 | 25 |
| <b>Plant Breeding &amp; Genetics</b> |    |                                                                                  |   |    |   |    |   |   |   |    |
| May                                  | EF | Principles and practices of seed production of millets                           | 2 | 16 | 6 | 22 | 6 | 2 | 8 | 30 |
| June                                 | EF | Package and practices of Paddy with respect to seed production                   | 1 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |
| September                            | EF | Income generation of Rural women through Mushroom production                     | 1 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |
| October                              | EF | Seed production of Mustard & Lentil                                              | 2 | 13 | 4 | 17 | 5 | 3 | 8 | 25 |

#### 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 |                   |           |                                  |               |                     |    |     |                 |    |     |          |
| Soil Science                    | ATMA, Patna       | PF        | Kharif Faslon ki Vaigyanik Kheti | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |
| Soil Science                    | ATMA, Patna       | PF        | Rabi Faslon ki Vaigyanik Kheti   | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |
| Soil Science                    | ATMA, Patna       | PF        | Garma Faslon ki Vaigyanik Kheti  | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |
| Horticulture                    | ATMA, Patna       | PF        | Kharif Fal Sabji Utpadan Teknik  | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |
| Horticulture                    | ATMA, Patna       | PF        | Rabi Fal Sabji Utpadan Teknik    | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |
| Horticulture                    | ATMA, Patna       | PF        | Garma Fal Sabji Utpadan Teknik   | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |
| Plant                           | ATMA,             | PF        | Kharif faslon ki beej            | 03            | 240                 | 45 | 285 | 90              | 30 | 120 | 405      |

|                                        |             |    |                                     |    |     |    |     |    |    |     |     |  |
|----------------------------------------|-------------|----|-------------------------------------|----|-----|----|-----|----|----|-----|-----|--|
| Breeding & Genetics                    | Patna       |    | utpadan Taknik                      |    |     |    |     |    |    |     |     |  |
| Plant Breeding & Genetics              | ATMA, Patna | PF | Rabi faslon ki beej utpadan Taknik  | 03 | 240 | 45 | 285 | 90 | 30 | 120 | 405 |  |
| Plant Breeding & Genetics              | ATMA, Patna | PF | Garma faslon ki beej utpadan Taknik | 03 | 240 | 45 | 285 | 90 | 30 | 120 | 405 |  |
| <b>b) Sponsored research programme</b> |             |    |                                     |    |     |    |     |    |    |     |     |  |
|                                        |             |    |                                     |    |     |    |     |    |    |     |     |  |
|                                        |             |    | <b>Total</b>                        |    |     |    |     |    |    |     |     |  |
| <b>c) Any special programmes</b>       |             |    |                                     |    |     |    |     |    |    |     |     |  |
|                                        |             |    |                                     |    |     |    |     |    |    |     |     |  |
|                                        |             |    | <b>Total</b>                        |    |     |    |     |    |    |     |     |  |

**Signature of Senior Scientist & Head**