

# Annual Progress Report (April 2015-March 2016)



**Krishi Vigyan Kendra Manpur, Gaya**



**Directorate of Extension Education**



**Bihar Agricultural University, Sabour,  
Bhagalpur**

## ANNUAL PROGRESS REPORT (April 2015 to March 2016)

### 1. GENERAL INFORMATION ABOUT THE KVK

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

| Address                                    | Telephone |     | E mail                  |
|--|-----------|-----|-------------------------|
|  | Office    | FAX |                         |
| Krishi Vigyan Kendra, Manpur Gaya - 823003 |           |     | kvkmanpurgaya@gmail.com |

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

| Address   | Telephone    |              | E mail                |
|---|--------------|--------------|-----------------------|
|   | Office       | FAX          |                       |
| Vice-Chancellor,<br>Bihar Agricultural University, Sabour,<br>Bhagalpur | 0641-2452606 | 0641-2452606 | vcbausabour@gmail.com |

#### 1.3. Name of the Programme Coordinator with phone & mobile no.

| Name             | Telephone / Contact |            |                         |
|------------------|---------------------|------------|-------------------------|
|                  | Residence           | Mobile     | Email                   |
| Dr. S. Chaurasia |                     | 8987193648 | kvkmanpurgaya@gmail.com |

1.4. Year of sanction of KVK: **F. No. 18-13/94-AE-I Date: 24.03.2006**

1.5. Staff Position (as on 1<sup>st</sup> April, 2015)

| Sl. No. | Sanctioned post             | Name of the incumbent | Designation                      | Discipline             | Pay Scale with present basic | Date of joining | Permanent /Temporary | Category (SC/ST/OBC/ Others) |
|---------|-----------------------------|-----------------------|----------------------------------|------------------------|------------------------------|-----------------|----------------------|------------------------------|
| 1.      | Programme Coordinator       | Dr. S. Chaurasia      | PC                               | Plant Pathology        | (37400-67000) 46400/-        | 02-05-2012      | Permanent            | OBC                          |
| 2.      | Subject Matter Specialist   | Dr. Nidhi Sinha       | SMS                              | Home. Sc.              | (15600-39100) 29080/-        | 09-08-2007      | Permanent            | Others                       |
| 3.      | Subject Matter Specialist   | Dr. Ashok Kumar       | SMS                              | Extension Education    | (15600-39100) 27400/-        | 08-01-2008      | Permanent            | OBC                          |
| 4.      | Subject Matter Specialist   | Dr. Govind Kumar      | SMS                              | Agronomy               | (15600-39100) 25810/-        | 11-06-2009      | Permanent            | Others                       |
| 5.      | Subject Matter Specialist   | Dr. Anil Kumar Ravi   | SMS                              | Vet. Sc.               | (15600-39100) 22950/-        | 20-04-2012      | Permanent            | SC                           |
| 6.      | Subject Matter Specialist   |                       |                                  |                        |                              |                 | Vacant               |                              |
| 7.      | Subject Matter Specialist   |                       |                                  |                        |                              |                 | Vacant               |                              |
| 8.      | Programme Assistant         | Smt. Neha             | Programme Assistant (Lab. Tech.) | B. Sc. (Ag)            | (9300-34800) 14760/-         | 02-11-2012      | Permanent            | OBC                          |
| 9.      | Computer Programmer         | Sri Ved Prakash       | Programme Assistant (Computer)   | MCA                    | (9300-34800) 14330/-         | 20-05-2013      | Permanent            | OBC                          |
| 10.     | Farm Manager                | Sri Mukesh Kumar      | Farm Manager                     | M. Sc. (Ag) (Ext.Edu.) | (9300-34800) 14330/-         | 30-10-2012      | Permanent            | OBC                          |
| 11.     | Accountant / Superintendent | Sri Prem Kumar        | Assistant                        | MBA in Finance         | (9300-34800) 14330/-         | 13-04-2013      | Permanent            | EBC                          |
| 12.     | Stenographer                | Sri Patwardhan Kumar  | Stenographer                     | MA                     | (5200-20200) 10520/-         | 04-07-2013      | Permanent            | EBC                          |
| 13.     | Driver                      | Sri Rohit Kumar       | Driver                           | Matric                 | (5200-20200) 8460/-          | 22-05-2015      | Permanent            | Others                       |
| 14.     | Driver                      | Sri Akhilesh Kumar    | Jeep driver                      | Matric                 | 7400/- (consolidated)        |                 | Contract             | Others                       |
| 15.     | Supporting staff            | Smt. Laxami Devi      | Supporting staff                 |                        | 6816/-(consolidated)         |                 | (Outsource)          | Others                       |
| 16.     | Supporting staff            | Sri Naulesh Kumar     | Chaukidar                        | -                      | 6816/-(consolidated)         |                 | (Outsource)          | Others                       |

1.6. Total land with KVK (in ha) :

| S. No. | Item                      | Area (ha)    |
|--------|---------------------------|--------------|
| 1.     | Under Buildings           | 1.2          |
| 2.     | Under Demonstration Units | 0.3          |
| 3.     | Under Crops               | 5.0          |
| 4.     | Orchard/Agro-forestry     | 1.7          |
| 5.     | Others with details       | 1.8          |
|        | <b>Total</b>              | <b>10 ha</b> |

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

| S. No. | Name of building                | Not yet started           | Completed up to plinth level | Completed up to lintel level | Completed up to roof level | Totally completed                          | Plinth area (sq.m) | Under use or not* | Source of funding |
|--------|---------------------------------|---------------------------|------------------------------|------------------------------|----------------------------|--|--------------------|-------------------|-------------------|
| 1.     | Administrative Building         |                           |                              |                              |                            | handed Over                                |                    | ICAR/RAU          |                   |
| 2.     | Farmers Hostel                  |                           |                              |                              |                            | handed over                                |                    |                   |                   |
| 3.     | Staff Quarters (6)              |                           |                              |                              |                            |  |                    |                   |                   |
| 4.     | Piggery unit                    |                           |                              |                              |                            |  |                    |                   |                   |
| 5.     | Fencing                         | 3900 <sup>ft</sup> Approx |                              |                              |                            | Only two side (2200 <sup>ft</sup> ) Approx |                    |                   |                   |
| 6.     | Rain Water harvesting structure |                           |                              |                              |                            |  |                    |                   |                   |
| 7.     | Threshing floor                 |                           |                              |                              |                            | Handed Over                                |                    |                   |                   |
| 8.     | Farm Godown                     |                           |                              |                              |                            | Handed Over                                |                    | RKVY              |                   |
| 9.     | Dairy unit                      |                           |                              |                              |                            |  |                    |                   |                   |
| 10.    | Poultry unit                    |                           |                              |                              |                            |  |                    |                   |                   |
| 11.    | Goatry unit                     |                           |                              |                              |                            | Complete                                   |                    | ICAR              |                   |
| 12.    | Mushroom Lab                    |                           |                              |                              |                            |  |                    |                   |                   |
| 13.    | Mushroom production unit        |                           |                              |                              |                            |  |                    |                   |                   |
| 14.    | Shade house                     |                           |                              |                              |                            |  |                    |                   |                   |
| 15.    | Soil test Lab                   |                           |                              |                              |                            |  |                    |                   |                   |
| 16.    | Others, Please Specify          |                           |                              |                              |                            |  |                    |                   |                   |
| 17.    | Mali shade                      |                           |                              |                              |                            | Handed Over                                |                    | NHM               |                   |
| 18.    | Farm Godown                     |                           |                              |                              |                            | Handed Over                                |                    | RKVY              |                   |
| 19.    | Generator Room                  |                           |                              |                              |                            | Handed Over                                |                    | RKVY              |                   |
| 20.    | Sale Counter                    |                           |                              |                              |                            |  |                    |                   |                   |

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

B) Vehicles

| Type of vehicle                 | Year of purchase | Cost (Rs.) | Total km. Run | Present status |
|---------------------------------|------------------|------------|---------------|----------------|
| Bolero LX 2WD7STR Non AC BS11   | 2006             | 458070.00  | 197842        | Working        |
| Tractor DIJ MF1035 / Mahashakti | 2006             | 386544.00  | -             | Working        |

## C) Equipment &amp; AV aids

| Name of equipment  | Year of purchase | Cost (Rs.)       | Present status | Source of fund |
|--|------------------|------------------|----------------|----------------|
| a. Lab equipment   |                  |                  |                |                |
| Steel Dram   | 2007             |                  | Satisfactory   |                |
| Godrej Book selves & Almirah                             | 2007             |                  | Satisfactory   |                |
| Computer with accessories                                | 2007             |                  | Satisfactory   |                |
| Inverter   | 2010             |                  | Satisfactory   |                |
| Index card reader  | 2010             |                  | Satisfactory   |                |
| Honey box & Accessories                                  | 2011             |                  | Satisfactory   |                |
| Punch sealer Machine                                     | 2011             |                  | Satisfactory   |                |
| LCD Projector  | 2011             |                  | Satisfactory   |                |
| Generator  | 2011             |                  | Satisfactory   |                |
| Book self  | 2011             |                  | Satisfactory   |                |
| Inverter   | 2012             |                  | Satisfactory   |                |
| Exide Battery (2)  | 2012             | 37500            | Satisfactory   |                |
| Computer with accessories                                | 2012             | 49145            | Satisfactory   |                |
| Godrej almirah 1, Table 4, Chair 10, Revolving 1, Rack 1 | 2013             | 98092            | Satisfactory   |                |
| Godrej almirah 9   | 2014             |                  | Satisfactory   |                |
| Photocopier Machine                                      | 2014             | 75000            | Satisfactory   |                |
| Biometric based attendance machine                       | 2014             | 24750            | Satisfactory   |                |
| Fiber chair & Table                                      | 2014             |                  | Satisfactory   |                |
| Microscope   | 2014             |                  | Satisfactory   |                |
| Steel bed  | 2014             |                  | Satisfactory   |                |
| Trunk steel  | 2014             |                  | Satisfactory   |                |
| Vegetable Processing unit                                | 2014             |                  | Satisfactory   |                |
| Water Purifier Machine                                   | 2014             |                  | Satisfactory   |                |
| Video Conference Materials                               | 2014             |                  | Satisfactory   |                |
| Mini Studio Room Materials                               | 2014             |                  | Satisfactory   |                |
| Motorcycle Hero Passion Pro (2)                          | 2015             | 120000           | Satisfactory   |                |
| Exide IT 500 Battery (2)                                 | 2016             | 29000-5000=24000 | Satisfactory   |                |
| Tyre (3)   | 2016             | 15850            | Satisfactory   |                |
| Ahuja PA Lectern System WSL2500R                         | 2016             | 38000            | Satisfactory   |                |
| Map My India Navigator LX140WS                           | 2016             | 6000             | Satisfactory   |                |
| Dell Desktop I5/4/1TB computer set (1)                   | 2016             | 49500            | Satisfactory   |                |
| Split AC Voltas 5Star with stabilizer (1)                | 2016             | 43000            | Satisfactory   |                |
| Stablizer full copper 5KVA (2)                           | 2016             | 25000            | Satisfactory   |                |
| Godrej Kareena High back chair (6)                       | 2016             | 90717            | Satisfactory   |                |
| Godrej Insight Table 6'x3' (1)                           | 2016             | 10337            | Satisfactory   |                |
| b. Farm machinery  |                  |                  |                |                |
|  |                  |                  |                |                |
| c. AV Aids   |                  |                  |                |                |
|  |                  |                  |                |                |

## D) Farm implements

| Name of equipment        | Year of purchase | Cost (Rs.) | Present status      | Source of fund |
|--------------------------|------------------|------------|---------------------|----------------|
| Disc Harrow              | 2006             |            | Working             |                |
| MB plough                | 2006             |            | Working             |                |
| Hydraulics trailer       | 2006             |            | Working             |                |
| Tiller/cultivator        | 2006             |            | Working             |                |
| Cage wheel               | 2006             |            | Working             |                |
| Leveler                  | 2006             |            | Working             |                |
| Zero Till Machine        | 2011             |            | Working             |                |
| Pump Set                 | 2008             |            | Stolen FIR Reported |                |
| Conoweeder               | 2009             |            | Working             |                |
| Tube well 5H.P Kiloshker | 2008             |            | Working             |                |

|                      |      |        |         |  |
|----------------------|------|--------|---------|--|
| weight Machine       | 2011 |        | Working |  |
| Zero tillage         | 2011 |        | Working |  |
| Rotavator            | 2011 |        | Working |  |
| Reaper               | 2011 |        | Working |  |
| Seed processing unit | 2011 |        | Working |  |
| Lazer land leveler   | 2012 | 376000 | Working |  |
| Power Thresher       | 2014 |        | Working |  |
| Rotavator            | 2014 |        | Working |  |
| Power Reaper         | 2014 |        | Working |  |

1.8. A). Details SAC meeting\* conducted in the year

| Sl. No. | Date       | Number of Participants | Salient Recommendations  | Action taken | If not conducted, state reason |
|---------|------------|------------------------|--|--------------|--------------------------------|
| 1.      | 03.11.2015 | 45                     | <ul style="list-style-type: none"> <li>• Seed Production programme should be taken through SHGs.</li> <li>• One village should be developed as frontier village of technology adoption by the KVK.</li> <li>• KVK should be involved in the training programme of groups formed by PRAN.</li> <li>• Gardeners training should be organised at KVK.</li> <li>• Video clipping on different technologies should be shown to the farmers during training programme.</li> <li>• Soil testing Lab should be established in KVK</li> </ul> |              |                                |

\* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

**Participants:**

1. Dr. R. N. Singh, ADEE, BAU, Sabour, Bhagalpur.
2. Dr. S. Chaurasia, P.C., KVK, Gaya
3. Dr. Nidhi Sinha, SMS (H. Sc.), KVK Gaya
4. Dr. Ashok Kumar, SMS (Ext. Edu.) KVK, Gaya
5. Dr. Govind Kumar, SMS (Agronomy), KVK Gaya
6. Dr. Anil Kr. Ravi, SMS (Animal Sc.), KVK Gaya
7. Sri Sudama Mahto, DAO, Gaya
8. Md. S. A. Ansari, Project Director, ATMA, Gaya
9. Sri Niraj Kumar Verma, Dy. PD, ATMA, Gaya
10. Sri Rajendra Pd. Rajpal, Animal Husbandary Officer, Gaya
11. Dr. Sadanand Roy, TVO(M), Gaya
12. Sri Baleshwar Pd. Singh, Dy. Director (Ag. Engg.), Soil Conservation, Gaya
13. Sri Sudama Singh, Zila Paramarshi, NFSM, Gaya
14. Sri Rajesh Kumar Srivastava, Plant Protection Inspector, Gaya
15. Sri Surendra Nath Singh, Progressive Farmer, Gaya
16. Sri Shashi Kumar, Progressive Farmer, Surhari, Gaya
17. Sri Santosh Kumar, Nandini Dairy, Gaya
18. Sri Ramsevak Prasad, Progressive Farmer, Gaya
19. Sri Rameshwar Prasad, Progressive Farmer, Gaya
20. Smt. Sushila Devi, Progressive Farmer, Gaya
21. Smt. Mira Kumari Sinha, Progressive Farmer, Bairagi, Gaya
22. Smt. Shushma Kumari, Progressive Farmer, Mastalipur, Gaya
23. Sri Ramesh Singh, Progressive Farmer, Gaya
24. Sri Jagdish Singh Arya, Progressive Farmer, Mirzapur, Gaya
25. Sri Suryadeo Mehta, Progressive Farmer, Punawa, Gaya
26. Sri Bipin Kumar, SAC Member, Guraru, Gaya

27. Sri Vinod Kumar Singh, Progressive Farmer, Sherghati, Gaya
28. Sri Chandra Bhushan, SAC Member, Tekari, Gaya
29. Sri Birendra Singh, SAC Member, Manpur, Gaya
30. Sri Pankaj Kumar, Progressive Farmer, Guraru, Gaya
31. Sri Chitranjan Kumar, Progressive Farmer, Paraiya, Gaya
32. Sri Rambabu, Kisan Salahkar, Dobhi, Gaya
33. Sri Arvind Kumar, Progressive Farmer, Gaya
34. Sri Deepak Kumar, Progressive Farmer, Gaya
35. Sri Jitendra Chaudhary, Progressive Farmer, Gaya
36. Sri Ramanand Sharma, Progressive Farmer, Gaya
37. Sri Devnandan Singh, Progressive Farmer, Gaya
38. Sri Birendra Kumar, Press Reporter, Hindustan, Gaya
39. Sri Mithilesh Kr.Sinha, Press Reporter, Dainik Jagaran, Gaya
40. Sri Uday Shankar Pd., Press Reporter, Prabhat Khabar, Gaya
41. Sri Mukesh Kumar, Farm Manager, KVK Gaya
42. Sri Prem Kr. Thakur, Assistant, KVK Gaya
43. Sri Ved Prakash, Programme Assistant (Computer), KVK Gaya
44. Sri Patwardhan Kumar, Stenographer,
45. Sri Rohit Kumar, Driver, KVK, Gaya

## 2. District level data on agriculture, livestock and farming situation (2015-16)

## 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

| S. No | Farming system/enterprise   |
|-------|---|
| 1.    | Paddy - Wheat – Moong   |
| 2.    | Paddy – Lentil – Fallow   |
| 3.    | Paddy – Rai – Moong   |
| 4.    | Paddy – Sugarcane   |
| 5.    | Paddy – Potato - Vegetable  |
| 6.    | Maize – Potato – Vegetable  |
| 7.    | Dairy, Poultry, Bee keeping and Fishery are important enterprises adopted by selective farmers. |

## 2.2 Description of Agro-climatic Zone (based on soil and topography)

| S. No | Agro-climatic Zone | Characteristics  |
|-------|--------------------|--|
| 1.    | Zone – IIIB        | Climate is subtropical having average annual rainfall 944 mm. June is the hottest month when temperature goes up to 49°C while December is the coldest month when temperature goes down to 2°C. Average Relative Humidity is 66% |

## 2.3 Description of major agro ecological situations (based on soil and topography)

| S. No | Agro ecological situation                               | Characteristics   |
|-------|---|---|
| 1.    | Irrigated Plain (Sandy-loam to loam soil)               | The geographical area of the district is 493774 ha. Out of which Cultivable land is 198123 ha, comprising upland (49765 ha) medium land (110874ha) and low land (37484 ha). Major crop is paddy followed by wheat & vegetables. Among oil seeds & pulses rai, linseed, lentil, gram and red gram are important crops. |
| 2.    | Rainfed Plain (Sandy Loam, Light to heavy texture Soil) |   |
| 3.    | Hilly Upland (Rainfed, Undulating topography)           |   |

## 2.4 Soil type/s

| S. No | Soil type                    | Characteristics  |
|-------|------------------------------|--|
| 1.    | Sandy Loam                   | Admixture of sand & Clay, predominantly sandy, found alongside the river beds. |
| 2.    | Loamy soil                   | Found near the hills and formed by rains washings from higher area.            |
| 3.    | Sandy soil                   | Locally known as balui, found near the bank of the river.                      |
| 4.    | Kewal Soil (Black)           | It is a mixture of clay and loam and is very productive acidic in nature.      |
| 5.    | Foot hill Balthar Soil (Red) | It is in between the plain and dissected plateau. It is acidic in nature.      |

## 2.5 Area, Production and Productivity of major crops cultivated in the district

| S. No         | Crop  | Area (ha) | Production (Kg) | Productivity (Kg /ha) |
|---------------|-------|-----------|-----------------|-----------------------|
| <b>Kharif</b> |       |           |                 |                       |
| 1.            | Paddy | 190955    | 640153          | 3352                  |
| 2.            | Maize | 6763      | 6270            | 927                   |
| 3.            | Marua | 308       | 233             | 756                   |
| 4.            | Arhar | 4386      | 3874            | 883                   |
| 5.            | Urad  | 1438      | 803             | 558                   |
| 6.            | Moong | 3223      | 1713            | 531                   |



|             |              |       |        |      |
|-------------|--------------|-------|--------|------|
| 7.          | Kulthi       | 78    | 44     | 564  |
| 8.          | Groundnut    | 892   | 629    | 705  |
| 9.          | Til          | 956   | 529    | 55.3 |
| 10.         | Castor       | 89    | 43     | 483  |
| 11.         | Sunflower    | 86    | 50     | 581  |
| <b>Rabi</b> |              |       |        |      |
| 1.          | Wheat        | 82729 | 142956 | 1728 |
| 2.          | Maize        | 2418  | 4531   | 1874 |
| 3.          | Barley       | 2328  | 1136   | 488  |
| 4.          | Gram         | 34823 | 17237  | 495  |
| 5.          | Lentil       | 20686 | 6247   | 302  |
| 6.          | Pea          | 3045  | 1248   | 410  |
| 7.          | Other Pulses |       |        |      |
| 8.          | Linseed      | 7071  | 3924   | 555  |
| 9.          | Rai/Sarson   | 12942 | 9344   | 722  |
| 10.         | Sunflower    | 161   | 94     | 582  |

## 2.6 Weather data

| Month   | Rainfall (mm) | Temperature ° C |         | Relative Humidity (%) |
|---------|---------------|-----------------|---------|-----------------------|
|         |               | Maximum         | Minimum |                       |
| Apr' 15 | 0.0           |                 |         |                       |
| May' 15 | 1.61          |                 |         |                       |
| Jun' 15 | 0.0           | 42-47           |         |                       |
| Jul' 15 | 142.3         |                 |         |                       |
| Aug' 15 | 648.6         |                 |         |                       |
| Sep' 15 | 49.2          |                 |         |                       |
| Oct' 15 | 0.0           |                 |         |                       |
| Nov' 15 | 0.0           |                 |         |                       |
| Dec' 15 | 0.0           |                 | 02-05   |                       |
| Jan' 16 | 0.0           |                 |         |                       |
| Feb' 16 | 20.0          |                 |         |                       |
| Mar' 16 | 8.0           |                 |         |                       |

## 2.7 Production and productivity of livestock, poultry, fisheries etc. in the district

| Category          | Population  | Production        | Productivity        |
|-------------------|-------------|-------------------|---------------------|
| <b>Cattle</b>     |             |                   |                     |
| <i>Crossbred</i>  | 10027       |                   |                     |
| <i>Indigenous</i> | 293436      |                   |                     |
| <b>Buffalo</b>    | 254729      |                   |                     |
| <b>Sheep</b>      | 18145       |                   |                     |
| <i>Crossbred</i>  |             |                   |                     |
| <i>Indigenous</i> |             |                   |                     |
| <b>Goats</b>      | 445546      |                   |                     |
| <b>Pigs</b>       | 122914      |                   |                     |
| <i>Crossbred</i>  |             |                   |                     |
| <i>Indigenous</i> |             |                   |                     |
| <b>Rabbits</b>    |             |                   |                     |
| <b>Poultry</b>    | 892833      |                   |                     |
| Hen               |             |                   |                     |
| <i>Desi</i>       |             |                   |                     |
| <i>Improved</i>   |             |                   |                     |
| Duck              |             |                   |                     |
| Turkey and others |             |                   |                     |
| <b>Category</b>   | <b>Area</b> | <b>Production</b> | <b>Productivity</b> |
| Fish              |             |                   |                     |
| Marine            |             |                   |                     |
| Inland            |             |                   |                     |
| Prawn             |             |                   |                     |
| Scampi            |             |                   |                     |
| Shrimp            |             |                   |                     |

## 2.6 Details of operational area / villages (2015-16)

| Sl. No. | Name of Taluk | Name of the block | Name of the villages | Major crops & enterprises                                  | Major problems identified (crop-wise)  | Identified Thrust Areas                                       |
|---------|---------------|-------------------|----------------------|--|--|---|
| 1.      |               | Manpur            | Sikhar               | Paddy, Wheat, Potato, Vegetables, Mushroom,                | Use of non-recommended Pesticide, Use of traditional varieties                             | Seed Production / Vermi compost IPM INM Use of bio fertilizer |
| 2.      |               | Manpur            | Saraiya              | Paddy, Wheat, Vegetable, flower, Goatry, poultry           | -Use of non-recommended Pesticide, Use of traditional varieties                            | High incidence of insect pest                                 |
| 3.      |               | Sherghati         | Newada               | Vegetable, Paddy, Wheat, Dairy, Vermi compost              | -Use of non-recommended Pesticide, Use of traditional varieties                            | -do-  |
| 4.      |               | Tekari            | Mahmadpur            | Paddy, Wheat, lentil, Rai, sugarcane, Potato               | Lack of irrigation facility Use of non-recommended Pesticide, Use of traditional varieties | -do-  |
| 5.      |               | Tankuppa          | Barseema             | Paddy, Wheat, Potato, Vegetables, Mushroom, Poultry, Dairy | -Use of non-recommended Pesticide, Use of traditional varieties                            | -do-  |

## 2.7 Priority thrust areas

| S. No. | Thrust area  |
|--------|--|
| 1.     | Introduction and popularization of improved varieties of cereals, pulses and oil seed crops.   |
| 2.     | Seed production of cereals, oil seed & horticultural crops.  |
| 3.     | To popularize improved cultivation techniques of different horticultural crops.  |
| 4.     | Integrated nutrient management (INM) and pest management (IPM)   |
| 5.     | Income and employment generation through Goatry, poultry, vermi - compost, dairy, beekeeping, mushroom cultivation & preservation of fruits & vegetable. |
| 6.     | Improvement of milch cattle through hybridization and proper care.   |

### 3. TECHNICAL ACHIEVEMENTS

#### 3. A. Details of target and achievement of mandatory activities by KVK during 2015-16

| OFT            |             |                   |             | FLD            |             |                   |             |
|----------------|-------------|-------------------|-------------|----------------|-------------|-------------------|-------------|
| Number of OFTs |             | Number of farmers |             | Number of FLDs |             | Number of farmers |             |
| Target         | Achievement | Target            | Achievement | Target         | Achievement | Target            | Achievement |
| 9              | 10          | 130               | 160         | 10             | 12          | 100               | 438         |

|    | Training          |             |                        |             | Extension activities |             |                        |             |
|----|-------------------|-------------|------------------------|-------------|----------------------|-------------|------------------------|-------------|
|    | Number of Courses |             | Number of Participants |             | Number of activities |             | Number of participants |             |
|    | Target            | Achievement | Target                 | Achievement | Target               | Achievement | Target                 | Achievement |
| PF | 51                | 74          | 1275                   | 1735        | 25                   | 26          | 2536                   | 164587      |
| RY | 8                 | 13          | 170                    | 348         | -                    | -           | -                      | -           |
| EF | 5                 | 4           | 125                    | 95          | -                    | -           | -                      | -           |

| Seed production (q) |             |  | Planting material (Nos.) |             |  |
|---------------------|-------------|--|--------------------------|-------------|--|
| Target              | Achievement |  | Target                   | Achievement |  |
| 100.00              | 140.51      |  | -                        | -           |  |

**@Target should match with your midterm report**

## 3.1 Achievements on technologies assessed and refined

## OFT-1 (2015-16)

|    |  |   |                 |                        |                    |                     |                 |                                    |                             |                         |           |
|----|--|---|-----------------|------------------------|--------------------|---------------------|-----------------|------------------------------------|-----------------------------|-------------------------|-----------|
| 1. | Title of On farm Trial                                     | Performance of drought tolerant varieties of paddy in Gaya district   |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 2. | Problem diagnose   | <ul style="list-style-type: none"> <li>- Erratic monsoon, low water table during May to August in kharif season causing delay in transplanting which ultimately reduces yield.</li> <li>- Less availability of water and abundance of upland in Gaya district</li> </ul>  |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 3. | Details of technologies selected for assessment/refinement | <ul style="list-style-type: none"> <li>I. Farmers Variety</li> <li>II. Sahbhagi</li> <li>III. Shushk Samrat</li> <li>IV. Sabour Ardhjal</li> </ul>  |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 4. | Source of Technology                                       | IRRI & BAU, Sabour  |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 5. | Production system and thematic area                        | Rice – wheat cropping system, weed management   |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 6. | Performance of the Technology with performance indicators  | Treatments  | Replica<br>tion | No. of<br>tillers/sq.m | Grains/earh<br>ead | 1000 grain<br>wt(g) | Yield<br>(Q/ha) | Cost of<br>cultivation<br>(Rs./ha) | Gross<br>Income<br>(Rs./ha) | Net Income<br>(Rs. /ha) | B:C ratio |
|    |  | T1- Farmers<br>variety (Parna<br>Mahsuri)   | 10              | 210                    | 209.8              | 23.32               | 35.4            | 27010                              | 47250                       | 20240                   | 1.75      |
|    |  | T2- Sahbhagi  |                 | 228                    | 230.1              | 23.28               | 43.6            | 28864                              | 57500                       | 28636                   | 1.99      |
|    |  | T3 – Sushak<br>Samrat   |                 | 214                    | 218.6              | 24.18               | 38.8            | 28864                              | 51500                       | 22636                   | 1.78      |
|    |  | T4 – Sabour<br>Ardhjal  |                 | 224                    | 224.3              | 24.16               | 35.4            | 28864                              | 55250                       | 26386                   | 1.91      |
| 7. | Final recommendation for micro level situation             | After evaluating different drought tolerant varieties of paddy in Gaya district, it may be concluded that the variety Sahbhagi recorded higher yield (43.60 Q/ha), Gross return (Rs. 57500/ha) and B:C ratio (1.99) closely followed by Sabour ardhjal under late transplanting on medium to medium upland situation. |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 8. | Constraints identified and feedback for research           | Although at early stage of crop growth, weather condition was favourable but after panicle emergence upto maturity crop suffered due to no rainfall received during the period.   |                 |                        |                    |                     |                 |                                    |                             |                         |           |
| 9. | Process of farmers participation and their reaction        | Farmers were quite satisfied with varieties Sahbhagi and Sabour Ardhjal which recorded good yield under late as well as adverse weather condition at later stage of crop growth. They were convinced to grow these varieties under stress condition which frequently occurs in Gaya district.                         |                 |                        |                    |                     |                 |                                    |                             |                         |           |

## OFT-2

|    |  |   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
|----|--|---|-------|------|--------|----------------------------------|-------|-------|-------|-------|-------|---------|----------|----------|--------|
| 1. | Title of On farm Trial                                     | Assessment of different herbicide for controlling Cuscutta in Lentil  |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 2. | Problem diagnose   | Cuscutta (Amarlatti) is a major weed in some part of the Gaya district causing yield reduction up to 80% in affected crops particularly in lentil/Chickpea  |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 3. | Details of technologies selected for assessment/refinement | <ol style="list-style-type: none"> <li>I. Farmers practice (Handweeding)</li> <li>II. Pendimethalin 30% EC @ 1000 g ai/ha PE (0-3 DAS)<br/>(Formulation 3.3 lit/ha)</li> <li>III. Imazathapyr 10% SL @ 20g ai/ha post emergence (15-20 DAS)<br/>(Formulation 200 ml/ha)</li> <li>IV. TO-II followed by TO-III</li> </ol>  |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 4. | Source of Technology                                       | BAU, Sabour, Bhagalpur  |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 5. | Production system and thematic area                        | Weed management   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 6. | Performance of the Technology with performance indicators  | Tr  | Rep   | Var  | Weed   | Weed flora count /m <sup>2</sup> |       |       | Dry   | Yield | Cost. | Gross   | Net      | BC       |        |
|    |  | eat   | licat | iety | count  | BLW                              | Grass | Sadge |       |       |       |         |          |          | wt. of |
|    |  | m   | ion   |      | /sq. m |                                  |       |       | weds/ |       |       | Per /ha | (Rs./ha) | (Rs./ha) |        |
|    |  | en  |       |      | (at 35 |                                  |       |       | sq. m |       |       |         |          |          |        |
|    |  | ts  | 10    | Arun | DAS)   |                                  |       |       |       |       |       |         |          |          |        |
|    |  |   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
|    |  |   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
|    |  |   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
|    |  |   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 7. | Final recommendation for micro level situation             | Comparing the different treatments of herbicide application, it may be concluded that for effective control of cuscutta and other weeds in lentil crop pre-emergence application of pendimethalin followed by imazethapyre (T4) recorded higher productivity (8.60 Q/ha), B:C ratio (2.86) and net return (Rs. 36924/ha) closely followed by T2 i.e., pre-emergence application of pendimethalin alone where productivity was (8.10 Q/ha) and B:C ratio 2.82. |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 8. | Constraints identified and feedback for research           | <ol style="list-style-type: none"> <li>1. Plant stand was below optimum due to lack of moisture. No rainfall was received since last sept, 2015 till crop maturing in Gaya district. One winter shower (scanty rainfall) received during Jan, 2016 which was of very little use for the Rabi crops.</li> <li>2. Imazethapyre at lower concentration i.e., at 20 gai/ha showed less herbicidal activity. The dose should be further standardized.</li> </ol>   |       |      |        |                                  |       |       |       |       |       |         |          |          |        |
| 9. | Process of farmers participation and their reaction        | Farmers of the affected areas were convinced with the technologies and showed their willing to spread this technology among farmers of other affected areas.  |       |      |        |                                  |       |       |       |       |       |         |          |          |        |

## OFT-3

|    |  |  |
|----|--|--|
| 1. | Title of On farm Trial                                     | Efficacy of some insecticides against fruit borer <i>Helicoverpa armigera</i> in tomato  |
| 2. | Problem diagnose   | <ul style="list-style-type: none"> <li>• About 30-35% yield loses due to infestation of fruit and shoot borer in tomato</li> <li>• Farmers are using chlorpyrifos 20 EC @ 3000ml/ha</li> </ul> |
| 3. | Details of technologies selected for assessment/refinement | <p>I. Farmers practice</p> <p>II. Flubendiamide 39.85Sc@100ml/ha</p> <p>III. Novaluran 10 EC@500ml/ha</p> <p>IV. NPV250 LE@500ml/ha</p>  |
| 4. | Source of Technology                                       | G.B.P.U.A.T., Pantnagar/AIRCP vegetable  |
| 5. | Production system and thematic area                        | IPM  |
| 6. | Performance of the Technology with performance indicators  | Result awaited   |
| 7. | Final recommendation for micro level situation             |  |
| 8. | Constraints identified and feedback for research           |  |
| 9. | Process of farmers participation and their reaction        |  |

## OFT-4

|    |  |   |               |          |               |            |                  |              |            |      |
|----|--|---|---------------|----------|---------------|------------|------------------|--------------|------------|------|
| 1. | Title of On farm Trial                                     | Efficacy of some fungicides against late blight of potato <i>phytophthora infestance</i> .  |               |          |               |            |                  |              |            |      |
| 2. | Problem diagnose   | 20-25% yield losses due to infection of <i>phytophthora infestance</i> .  |               |          |               |            |                  |              |            |      |
| 3. | Details of technologies selected for assessment/refinement | Farmers practice – Mancozab @2500gm/ha<br>Technology Option 1: Cymoxanil 8% + mancozab 64% @1000 gm/ha.<br>Technology Option 2: Femamidone 16.6% + Cymoxanil 22.1% @ 1000gm/ha.   |               |          |               |            |                  |              |            |      |
| 4. | Source of Technology                                       | CPRI, Shimla  |               |          |               |            |                  |              |            |      |
| 5. | Production system and thematic area                        | Rice – potato, IPM  |               |          |               |            |                  |              |            |      |
| 6. | Performance of the Technology with performance indicators  | T.O.  | No. of trials | Variety  | Disease score | Yield Q/ha | Gross Cost (Rs.) | Gross Return | Net Return | BCR  |
|    |  | P.F   | 10            | K.Ashoka | 2             | 150.7      | 80000            | 120560       | 40560      | 1.51 |
|    |  | TO 1  | 10            | K.Ashoka | 0             | 184.3      | 82300            | 147440       | 65140      | 1.79 |
|    |  | TO 2  | 10            | K.Ashoka | 0             | 188.8      | 86500            | 151040       | 64540      | 1.78 |
| 7. | Final recommendation for micro level situation             | Results of trial indicated that application of Cymoxanil 8% + mancozab 64% @1000 gm/ha found superior among technology followed by Femamidone 16.6% + Cymoxanil 22.1% @ 1000gm/ha. This fungicide may helpful in yield enhancement over farmers practices. Even though the production is high in T <sub>2</sub> but B:C ratio is lower than T <sub>1</sub> due to higher cost of T <sub>2</sub> . |               |          |               |            |                  |              |            |      |
| 8. | Constraints identified and feedback for research           | The cost of fungicide higher than mancozab but their efficacy against <i>phytophthora infestance</i> is highly appreciable.   |               |          |               |            |                  |              |            |      |
| 9. | Process of farmers participation and their reaction        | Newer combination of fungicides may check the infection of <i>phytophthora infestance</i> as well as resistant development in fungus result in increase the production of potato. Farmers are agreed to adopt this technology at large scale in coming season.  |               |          |               |            |                  |              |            |      |

## OFT-5

|    |  |   |               |   |                                  |              |            |     |
|----|--|---|---------------|---|----------------------------------|--------------|------------|-----|
| 1. | Title of On farm Trial                                     | Assessment of performance of selected income generating activities or microenterprises on the success of SHGs.  |               |   |                                  |              |            |     |
| 2. | Problem diagnose   | Quality of SHGs performance is critical and there is need to examine the strategies of working, types of income generating activities or microenterprises selected, fund flow and its profitability for the assessment of success of SHGs.  |               |   |                                  |              |            |     |
| 3. | Details of technologies selected for assessment/refinement | Technical option 1: SHGs with credit flow only<br>Technical option 2: SHG – Agarbatti production<br>Technical option 3: SHG – Mushroom production<br>Technical option 4: SHG – Poultry production<br>Technical option 5: SHG – Baby corn production   |               |   |                                  |              |            |     |
| 4. | Source of Technology                                       |   |               |   |                                  |              |            |     |
| 5. | Production system and thematic area                        | Gender mainstreaming through SHGs.  |               |   |                                  |              |            |     |
| 6. | Performance of the Technology with performance indicators  | Technology Option   | No. of trials | Yield / kg/ unit                                      | Economics of production in (Rs.) |              |            | BCR |
|    |  |   |               |   | Gross Cost                       | Gross Return | Net Return |     |
|    |  | Tech. opt 1   | 10            | No income   | -                                | -            | -          | -   |
|    |  | Tech. opt 2   | 10            | 650 kg/yr x 10  | 60000.00                         | 145000.00    | 85000.00   | 2.4 |
|    |  | Tech. opt 3   | 10            | 800 bag/yr x 10                                       | 35000.00                         | 96000.00     | 61000.00   | 2.7 |
|    |  | Tech. opt 4   | 10            | 10 chicks/yr x10                                      | 15000.00                         | 41000.00     | 26000.00   | 2.6 |
|    |  | Tech. Opt 5   | 10            | Not done due to heavy crop loss by Nilgay in the area |                                  |              |            |     |
| 7. | Final recommendation for micro level situation             | Result of BC ratio for poultry production – shows significant but it would be suggested to SHG members to establish Mushroom Unit as it has more No. of cycle of production in a year than Poultry Unit therefore they can get maximum Gross Return if members are surviving in landless situation. |               |   |                                  |              |            |     |
| 8. | Constraints identified and feedback for research           | I. Lack of proper training among SHGs members<br>II. Accidental cases may cause fluctuation in analysis.  |               |   |                                  |              |            |     |
| 9. | Process of farmers participation and their reaction        | Group members are enthusiastic to know how to produce mushroom and ready to adopt it as there source of income  |               |   |                                  |              |            |     |



## OFT-6

|    |  |  |               |                       |                                  |              |            |      |
|----|--|--|---------------|-----------------------|----------------------------------|--------------|------------|------|
| 1. | Title of On farm Trial                                     | Assessment of different base materials on oyster mushroom production   |               |                       |                                  |              |            |      |
| 2. | Problem diagnose   | High cost of wheat straw.  |               |                       |                                  |              |            |      |
| 3. | Details of technologies selected for assessment/refinement | Technical option 1: Farmers practice – Use of wheat straw as base material<br>Technical option 2: Use of wheat straw (50%) + paddy straw (50%) as base material<br>Technical option 3: Use of wheat straw (50%) + maize straw (50%) as base material<br>Technical option 4: Use of paddy straw (50%)+ maize straw (50%) as base material |               |                       |                                  |              |            |      |
| 4. | Source of Technology                                       | Directorate of Mushroom Research, Solan, H.P.  |               |                       |                                  |              |            |      |
| 5. | Production system and thematic area                        | Mushroom Production  |               |                       |                                  |              |            |      |
| 6. | Performance of the Technology with performance indicators  | Technology Option  | No. of trials | Yield / kg/10 kg base | Economics of production in (Rs.) |              |            | BCR  |
|    |  |  |               |                       | Gross Cost                       | Gross Return | Net Return |      |
|    |  | Use of wheat straw only  | 6.2           | 6.2                   | 300.00                           | 620.00       | 320.00     | 2.06 |
|    |  | Use of 50 % wheat + 50 % paddy straw   | 8.0           | 8.0                   | 280.00                           | 800.00       | 520.00     | 2.85 |
|    |  | Use of 50 % wheat + 50 % maize straw   | 7.6           | 7.6                   | 275.00                           | 760.00       | 495.00     | 2.70 |
|    |  | Use of 50 % paddy + 50 % maize straw   | 7.0           | 7.0                   | 260.00                           | 700.00       | 450.00     | 2.60 |
| 7. | Final recommendation for micro level situation             | As per the result trial in terms of total production and BC ratio farmers were recommended to use Tech. Option 2 i.e. use of wheat straw (50%) + Paddy straw (50%) each as base material to gain more profit in mushroom production.   |               |                       |                                  |              |            |      |
| 8. | Constraints identified and feedback for research           | Fluctuation in normal temperature during the season affected the overall production of mushroom.   |               |                       |                                  |              |            |      |
| 9. | Process of farmers participation and their reaction        | Farmers are ready to adopt technology for mushroom production.   |               |                       |                                  |              |            |      |

## OFT-7

|    |  |   |                                    |                               |                    |                  |      |
|----|--|---|------------------------------------|-------------------------------|--------------------|------------------|------|
| 1. | Title of On farm Trial                                     | Management of Hypogalactic condition in dairy animals.  |                                    |                               |                    |                  |      |
| 2. | Problem diagnose   | Reduce in milk yield in lactating animals in various condition  |                                    |                               |                    |                  |      |
| 3. | Details of technologies selected for assessment/refinement | T1- Farmers Practice – No any supplement<br>T2- Herbal preparation (@ 4 boli per day orally once daily for 20 days)<br>T3- Calcium & vitamin supplementation (@ 100 ml daily for 30 days) |                                    |                               |                    |                  |      |
| 4. | Source of Technology                                       | Bombay Veterinary college, Parel, Mumbai  |                                    |                               |                    |                  |      |
| 5. | Production system and thematic area                        | Disease management  |                                    |                               |                    |                  |      |
| 6. | Performance of the Technology with performance indicators  | T.O.  | Av. Milk production per day (lit.) | Cost of milk production (Rs.) | Gross Return (Rs.) | Net Return (Rs.) | BCR  |
|    |  | T1  | 4.23                               | 1875                          | 3807               | 1932             | 2.03 |
|    |  | T2  | 5.03                               | 2150                          | 4527               | 2377             | 2.11 |
|    |  | T3  | 5.57                               | 2350                          | 5175               | 2825             | 2.20 |
| 7. | Final recommendation for micro level situation             | Calcium and vitamin supplementation in hypogalactic dairy animals may increase milk production and increase profit to the farmer.   |                                    |                               |                    |                  |      |
| 8. | Constraints identified and feedback for research           | Low availability of green fodder and balance feed.  |                                    |                               |                    |                  |      |
| 9. | Process of farmers participation and their reaction        | Farmers accepted to supplement calcium and vitamin along with green fodder and balance ration for better milk production.   |                                    |                               |                    |                  |      |

## OFT-8

|    |  |  |                      |                              |      |                                |                          |                        |      |
|----|--|--|----------------------|------------------------------|------|--------------------------------|--------------------------|------------------------|------|
| 1. | Title of On farm Trial                                     | Effect of enzyme supplementation on performance of broilers  |                      |                              |      |                                |                          |                        |      |
| 2. | Problem diagnose   | Non utilization of non starch polysaccharides and phytate due to lack of needed enzymes and also affect the digestion and absorption in the intestine                    |                      |                              |      |                                |                          |                        |      |
| 3. | Details of technologies selected for assessment/refinement | Farmers practice (no enzyme supplementation)<br>T1- Enzyme supplementation @ 250g/ton<br>T2- Enzyme supplementation @ 500g/ton<br>T3- Enzyme supplementation @ 1000g/ton |                      |                              |      |                                |                          |                        |      |
| 4. | Source of Technology                                       | Tamilnadu Veterinary and Animal Science University, Chennai  |                      |                              |      |                                |                          |                        |      |
| 5. | Production system and thematic area                        | Intensive broiler farming and poultry production   |                      |                              |      |                                |                          |                        |      |
| 6. | Performance of the Technology with performance indicators  | TO   | Weight @35 days (Kg) | Total feed intake/ bird (Kg) | FCR  | Cost of production (250 birds) | Gross return (250 birds) | Net return (250 birds) | BCR  |
|    |  | FP   | 1.24                 | 2.24                         | 1.81 | 20657                          | 23306                    | 2619                   | 1.13 |
|    |  | T1   | 1.28                 | 2.25                         | 1.73 | 20588                          | 24075                    | 3486                   | 1.17 |
|    |  | T2   | 1.31                 | 2.13                         | 1.63 | 19948                          | 24562                    | 4614                   | 1.23 |
|    |  | T3   | 1.35                 | 2.09                         | 1.55 | 19732                          | 25331                    | 5598                   | 1.28 |
| 7. | Final recommendation for micro level situation             | Enzymes supplementation @ 1 Kg per ton in commercial broiler improve body weight and FCR and increase income of farmers.   |                      |                              |      |                                |                          |                        |      |
| 8. | Constraints identified and feedback for research           | Low availability of quality feed and incidence of disease in flock   |                      |                              |      |                                |                          |                        |      |
| 9. | Process of farmers participation and their reaction        | Farmers ready to add enzymes in broiler feed for better utilisation of feed.   |                      |                              |      |                                |                          |                        |      |

## OFT-9

|                 |  |  |                      |                               |   |                                       |                         |                            |                         |                  |
|-----------------|--|--|----------------------|-------------------------------|---|---------------------------------------|-------------------------|----------------------------|-------------------------|------------------|
| 1.              | Title of On farm Trial                                     | Performance of different wheat varieties under late sown irrigated condition.  |                      |                               |   |                                       |                         |                            |                         |                  |
| 2.              | Problem diagnose   | Non availability of suitable varieties for situation like late sown irrigated condition.   |                      |                               |   |                                       |                         |                            |                         |                  |
| 3.              | Details of technologies selected for assessment/refinement | FP: Existing variety<br>TO <sub>1</sub> : BRW – 934 (Sabour Shrestha)<br>TO <sub>2</sub> : DBW – 14<br>TO <sub>3</sub> : HD - 2985 |                      |                               |   |                                       |                         |                            |                         |                  |
| 4.              | Source of Technology                                       | BAU, Sabour  |                      |                               |   |                                       |                         |                            |                         |                  |
| 5.              | Production system and thematic area                        | Crop production  |                      |                               |   |                                       |                         |                            |                         |                  |
| 6.              | Performance of the Technology with performance indicators  | <b>Tech. Option</b>  | <b>No. of Trials</b> | <b>Performance indicators</b> |   |                                       |                         | <b>Economic indicators</b> |                         |                  |
|                 |  |  |                      | <b>Yield qtl/ha</b>           | <b>No. of tillers per m<sup>2</sup></b> | <b>No. of earheads /m<sup>2</sup></b> | <b>1000 grain wt(g)</b> | <b>Gross return Rs/ha</b>  | <b>Net Return Rs/ha</b> | <b>B:C ratio</b> |
|                 |  | FP   | 10                   | 20.46                         | 248.0                                   | 226.4                                 | 38.01                   | 30690                      | 4165                    | 1.16             |
|                 |  | TO <sub>1</sub>  |                      | 28.90                         | 274.7                                   | 270.0                                 | 39.70                   | 43350                      | 16825                   | 1.63             |
|                 |  | TO <sub>2</sub>  |                      | 30.10                         | 277.9                                   | 264.5                                 | 40.08                   | 46650                      | 20088                   | 1.76             |
| TO <sub>3</sub> | 28.57  | 282.5  |                      | 255.9                         | 39.16                                   | 42855                                 | 16330                   | 1.62                       |                         |                  |
| 7.              | Final recommendation for micro level situation             | The above table reveals that TO <sub>2</sub> gave the highest yield with B:C ratio 1.76 followed by TO <sub>1</sub> .              |                      |                               |   |                                       |                         |                            |                         |                  |
| 8.              | Constraints identified and feedback for research           | Severe heat problem, scarcity of water & very late sowing  |                      |                               |   |                                       |                         |                            |                         |                  |
| 9.              | Process of farmers participation and their reaction        | Field visit, training and farmers cooperated while conducting the trial.   |                      |                               |   |                                       |                         |                            |                         |                  |

## OFT-10

|    |  |   |                               |              |                       |
|----|--|---|-------------------------------|--------------|-----------------------|
| 1. | Title of On farm Trial                                     | Performance of different size of SHGs.  |                               |              |                       |
| 2. | Problem diagnose   | SHG of different size do not perform up to the mark.  |                               |              |                       |
| 3. | Details of technologies selected for assessment/refinement | TO <sub>1</sub> : Group size 10-14<br>TO <sub>2</sub> : Group size 15-19<br>TO <sub>3</sub> : Group size $\geq$ 20  |                               |              |                       |
| 4. | Source of Technology                                       | NABARD  |                               |              |                       |
| 5. | Production system and thematic area                        | Formation & management of SHG   |                               |              |                       |
| 6. | Performance of the Technology with performance indicators  | <b>Treatment</b>  | <b>Average score obtained</b> | <b>Grade</b> | <b>Grade analysis</b> |
|    |  | TO <sub>1</sub>   | 42.70                         | B            | Average               |
|    |  | TO <sub>2</sub>   | 37.00                         | B            | Average               |
|    |  | TO <sub>3</sub>   | 31.00                         | B            | Average               |
| 7. | Final recommendation for micro level situation             | It is quite obvious from the table that SHG of all group size performed on an average but among all the three size group TO <sub>1</sub> performed the best ( average score: 42.70) followed by TO <sub>2</sub> . |                               |              |                       |
| 8. | Constraints identified and feedback for research           | Lack of knowledge as well as skill in their area of interest  |                               |              |                       |
| 9. | Process of farmers participation and their reaction        | Meeting, survey through schedule and positive attitude of farmers.  |                               |              |                       |

### 3.2 Achievements of Frontline Demonstrations

#### A. Details of FLDs implemented during 2015-16

##### Performance of FLD

##### Oilseeds: **Cluster Demonstration**

##### Frontline demonstrations on oilseed crops

| Crop            | Thematic Area   | Name of the technology demonstrated              | No. of Farmers | Area (ha) | Yield (q/ha)   |       | % Increase | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |
|-----------------|-----------------|--|----------------|-----------|----------------|-------|------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|
|                 |                 |  |                |           | Demo           | Check |            | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |
| Mustard (15-16) | Crop Production | Seed + sulphur + seed treatment                  | 26             | 10        | 12.30          | 9.10  | 35.10      | 18190                                | 51660        | 33470      | 2.84   | 15780                        | 38220        | 22410      | 2.42   |
| Sesame (15-16)  | Crop Production | Seed + sulphur + seed treatment+ Herbicide + PSB | 24             | 10        | Result awaited |       |            |                                      |              |            |        |                              |              |            |        |
| Total           |                 |  |                |           |                |       |            |                                      |              |            |        |                              |              |            |        |

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

\*\* BCR= GROSS RETURN/GROSS COST

##### Pulses : **Cluster Demonstration**

##### Frontline demonstration on pulse crops

| Crop               | Thematic Area   | Name of the technology demonstrated                          | No. of Farmers | Area (ha) | Yield (q/ha)   |       | % Increase | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |
|--------------------|-----------------|--|----------------|-----------|----------------|-------|------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|
|                    |                 |  |                |           | Demo           | Check |            | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |
| Lentil (15-16)     | Crop production | Seed + seed treatment + Bio-fertilizer + Herbicide           | 53             | 24        | 11.40          | 8.10  | 40.7       | 19470                                | 69900        | 50430      | 3.59   | 16940                        | 50100        | 33160      | 2.95   |
| Chickpea (15-16)   | Crop production | Seed + seed treatment + Bio-fertilizer + Herbicide           | 50             | 20        | 14.37          | 10.80 | 33.0       | 22360                                | 69976        | 47616      | 3.13   | 19240                        | 52840        | 33600      | 2.74   |
| Fieldpea (15-16)   | Crop production | Seed + seed treatment + Bio-fertilizer + Herbicide           | 39             | 15        | 13.61          | 10.40 | 30.1       | 20400                                | 44052        | 23652      | 2.16   | 18350                        | 33780        | 15430      | 1.84   |
| Moong bean (15-16) | Crop production | Seed + seed treatment + Bio-fertilizer + Herbicide + Sulphur | 31             | 15        | Result awaited |       |            |                                      |              |            |        |                              |              |            |        |
| Total              |                 |  |                |           |                |       |            |                                      |              |            |        |                              |              |            |        |

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

\*\* BCR= GROSS RETURN/GROSS COST



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

\*\* BCR= GROSS RETURN/GROSS COST

### Fisheries

| Category            | Thematic area | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters |       | % change in major parameter | Other parameter |       | *Economics of demonstration (Rs.) |              |            |        | *Economics of check (Rs.) |              |            |        |
|---------------------|---------------|-------------------------------------|---------------|-------------|------------------|-------|-----------------------------|-----------------|-------|-----------------------------------|--------------|------------|--------|---------------------------|--------------|------------|--------|
|                     |               |                                     |               |             | Demons ration    | Check |                             | Demons ration   | Check | Gross Cost                        | Gross Return | Net Return | ** BCR | Gross Cost                | Gross Return | Net Return | ** BCR |
| Common carps        |               |                                     |               |             |                  |       |                             |                 |       |                                   |              |            |        |                           |              |            |        |
| Mussels             |               |                                     |               |             |                  |       |                             |                 |       |                                   |              |            |        |                           |              |            |        |
| Ornamental fishes   |               |                                     |               |             |                  |       |                             |                 |       |                                   |              |            |        |                           |              |            |        |
| Others (pl.specify) |               |                                     |               |             |                  |       |                             |                 |       |                                   |              |            |        |                           |              |            |        |
| Total               |               |                                     |               |             |                  |       |                             |                 |       |                                   |              |            |        |                           |              |            |        |

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

\*\* BCR= GROSS RETURN/GROSS COST

### Other enterprises

| Category            | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters |       | % change in major parameter | Other parameter |       | *Economics of demonstration (Rs.) or Rs./unit |              |            |        | *Economics of check (Rs.) or Rs./unit |              |            |        |  |
|---------------------|-------------------------------------|---------------|-------------|------------------|-------|-----------------------------|-----------------|-------|---|--------------|------------|--------|---------------------------------------|--------------|------------|--------|--|
|                     |                                     |               |             | Demons ration    | Check |                             | Demons ration   | Check | Gross Cost                                    | Gross Return | Net Return | ** BCR | Gross Cost                            | Gross Return | Net Return | ** BCR |  |
| Oyster mushroom     | Enterprise development              | 25            | 2Kg         | 16.0             | 12.4  | 28                          | -               | -     | 560   | 1600         | 1040       | 2.8    | 600                                   | 1240         | 640        | 2.06   |  |
| Button mushroom     |                                     |               |             |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Vermicompost        |                                     |               |             |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Sericulture         |                                     |               |             |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Apiculture          |                                     |               |             |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Others (pl.specify) | Kitchen Garden                      | 50            | 200 sq. m.  |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Total               |                                     |               |             |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |

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

\*\* BCR= GROSS RETURN/GROSS COST



## Women empowerment

| Category        | Name of technology | No. of demonstrations | Name of observations | Demonstration | Check |
|-----------------|--------------------|-----------------------|----------------------|---------------|-------|
| Farm Women      |                    |                       |                      |               |       |
| Pregnant women  |                    |                       |                      |               |       |
| Adolescent Girl |                    |                       |                      |               |       |
| Other women     |                    |                       |                      |               |       |
| Children        |                    |                       |                      |               |       |
| Neonatal        |                    |                       |                      |               |       |
| Infants         |                    |                       |                      |               |       |

## Farm implements and machinery

| Name of the implement | Crop | Name of the technology demonstrated | No. of Farmer | Area (ha) | Filed observation (output/man hour) |       | % change in major parameter | Labor reduction (man days) |  |  |  | Cost reduction (Rs./ha or Rs./Unit) |  |  |  |  |  |
|-----------------------|------|-------------------------------------|---------------|-----------|-------------------------------------|-------|-----------------------------|----------------------------|--|--|--|-------------------------------------|--|--|--|--|--|
|                       |      |                                     |               |           | Demonstration                       | Check |                             |                            |  |  |  |                                     |  |  |  |  |  |
|                       |      |                                     |               |           |                                     |       |                             |                            |  |  |  |                                     |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST





## Technical Feedback on the demonstrated technologies

| S. No. | Crop | Feed Back |
|--------|------|-----------|
|        |      |           |
|        |      |           |
|        |      |           |

## Extension and Training activities under FLD

| SL. No. | Activity                             | Date   | No. of activities organized | Number of participants | Remarks   |
|---------|--------------------------------------|--|-----------------------------|------------------------|---|
| 1.      | Field days                           | 15/02/2016, 10/03/2016, 12/03/2016, 14/03/2016, 15/02/2016, 10/03/2016, 11/03/2016, 14/03/2016, 10/03/2016, 12/03/2016, 12/03/2016, 11/03/2016, 12/03/2016, 14/03/2016 | 14                          | 478                    | Chickpea, fieldpea, mustard & lentil                    |
| 2.      | Farmers Training                     |  | 6                           | 223                    | Chickpea, fieldpea, mustard, lentil, sesame & greengram |
| 3.      | Media coverage                       |  | 8                           | -                      |   |
| 4.      | Training for extension functionaries |  | -                           | -                      |   |





| Thematic Area   | No. of Courses | No. of Participants |           |            |           |           |            |          |          |          | Grand Total |            |            |
|---|----------------|---------------------|-----------|------------|-----------|-----------|------------|----------|----------|----------|-------------|------------|------------|
|   |                | Other               |           |            | SC        |           |            | ST       |          |          | M           | F          | T          |
|   |                | M                   | F         | T          | M         | F         | T          | M        | F        | T        |             |            |            |
| <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>14</b>      | <b>139</b>          | <b>44</b> | <b>183</b> | <b>24</b> | <b>83</b> | <b>107</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>163</b>  | <b>127</b> | <b>290</b> |

### Rural Youth (on campus)

| Thematic Area                | No. of Courses | No. of Participants |    |    |    |    |    |    |   |   | Grand Total |    |    |
|------------------------------|----------------|---------------------|----|----|----|----|----|----|---|---|-------------|----|----|
|                              |                | Other               |    |    | SC |    |    | ST |   |   | M           | F  | T  |
|                              |                | M                   | F  | T  | M  | F  | T  | M  | F | T |             |    |    |
| Mushroom Production          | 3              | 35                  | 33 | 68 | 4  | 15 | 19 | -  | - | - | 39          | 48 | 87 |
| Bee-keeping                  | 2              | 35                  | 9  | 44 | 4  | 2  | 6  | -  | - | - | 39          | 11 | 50 |
| Integrated farming           |                |                     |    |    |    |    |    |    |   |   |             |    |    |
| Seed production              | 1              | 25                  | -  | 25 | 1  | -  | 1  | -  | - | - | 26          | -  | 26 |
| Production of organic inputs |                |                     |    |    |    |    |    |    |   |   |             |    |    |
| Integrated Farming           |                |                     |    |    |    |    |    |    |   |   |             |    |    |
| Planting material production |                |                     |    |    |    |    |    |    |   |   |             |    |    |
| Vermi-culture                | 1              | 22                  | 4  | 26 | 1  | 1  | 2  | -  | - | - | 23          | 5  | 28 |

| Thematic Area   | No. of Courses | No. of Participants |           |            |           |           |           |          |          |          | Grand Total |            |            |
|---|----------------|---------------------|-----------|------------|-----------|-----------|-----------|----------|----------|----------|-------------|------------|------------|
|   |                | Other               |           |            | SC        |           |           | ST       |          |          | M           | F          | T          |
|   |                | M                   | F         | T          | M         | F         | T         | M        | F        | T        |             |            |            |
| 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  | 1              | -                   | 8         | 8          | -         | 11        | 11        | -        | -        | -        | -           | 19         | 19         |
| Production of quality animal products                   |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Dairying  | 2              | 45                  | 2         | 47         | 3         | -         | 3         | -        | -        | -        | 48          | 2          | 50         |
| Sheep and goat rearing                                  | 2              | 29                  | 4         | 33         | 2         | 21        | 23        | -        | -        | -        | 31          | 25         | 56         |
| Quail farming   |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Piggery   |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Rabbit farming  |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Poultry production                                      |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Ornamental fisheries                                    |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Enterprise development                                  |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| 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  | 1              | -                   | 29        | 29         | -         | 3         | 3         | -        | -        | -        | -           | 32         | 32         |
| <b>TOTAL</b>  | <b>13</b>      | <b>191</b>          | <b>89</b> | <b>280</b> | <b>15</b> | <b>53</b> | <b>68</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>206</b>  | <b>142</b> | <b>348</b> |

### Extension Personnel (on campus)

| Thematic Area   | No. of Courses | No. of Participants |           |           |          |          |          |          |          |          | Grand Total |           |           |
|---|----------------|---------------------|-----------|-----------|----------|----------|----------|----------|----------|----------|-------------|-----------|-----------|
|   |                | Other               |           |           | SC       |          |          | ST       |          |          | M           | F         | T         |
|   |                | M                   | F         | T         | M        | F        | T        | M        | F        | T        |             |           |           |
| Productivity enhancement in field crops               | 1              | 24                  | 3         | 27        | 3        | -        | 3        | -        | -        | -        | 27          | 3         | 30        |
| Value addition  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Integrated Pest Management                            | 1              | 19                  | 4         | 23        | -        | -        | -        | -        | -        | -        | 19          | 4         | 23        |
| Integrated Nutrient management                        |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Rejuvenation of old orchards                          |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Protected cultivation technology                      |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| 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(Backyard)                  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Livestock feed and fodder production                  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Household food security                               | 1              | 10                  | 5         | 15        | -        | -        | -        | -        | -        | -        | 10          | 5         | 15        |
| Women and Child care                                  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Low cost and nutrient efficient diet designing        |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Production and use of organic inputs                  | 1              | 18                  | 4         | 22        | 3        | 2        | 5        | -        | -        | -        | 21          | 6         | 27        |
| Gender mainstreaming through SHGs                     |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| <b>TOTAL</b>  | <b>4</b>       | <b>71</b>           | <b>16</b> | <b>87</b> | <b>6</b> | <b>2</b> | <b>8</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>77</b>   | <b>18</b> | <b>95</b> |















| Thematic Area   | No. of Courses | No. of Participants |            |             |            |            |            |          |          |          | Grand Total |            |             |  |
|---|----------------|---------------------|------------|-------------|------------|------------|------------|----------|----------|----------|-------------|------------|-------------|--|
|   |                | Other               |            |             | SC         |            |            | ST       |          |          | M           | F          | T           |  |
|   |                | M                   | F          | T           | M          | F          | T          | M        | F        | T        |             |            |             |  |
| 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  | 4              | 68                  | -          | 68          | 3          | -          | 3          | -        | -        | -        | 71          | -          | 71          |  |
| Integrated Disease Management   | 3              | 41                  | 3          | 44          | 42         | 4          | 46         | -        | -        | -        | 83          | 7          | 90          |  |
| 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  | 2              | 43                  | -          | 43          | 4          | -          | 4          | -        | -        | -        | 47          | -          | 47          |  |
| Group dynamics  | 1              | 20                  | -          | 20          | 2          | -          | 2          | -        | -        | -        | 22          | -          | 22          |  |
| Formation and Management of SHGs  | 2              | 22                  | 18         | 40          | 2          | 6          | 8          | -        | -        | -        | 24          | 24         | 48          |  |
| Mobilization of social capital  | 2              | 17                  | 21         | 38          | 2          | 11         | 13         | -        | -        | -        | 19          | 32         | 51          |  |
| Entrepreneurial development of farmers/youths   | 3              | 22                  | 12         | 34          | 10         | 9          | 19         | -        | -        | -        | 32          | 21         | 53          |  |
| WTO and IPR issues  |                |                     |            |             |            |            |            |          |          |          |             |            |             |  |
| Others, if any  | 2              | 25                  | 7          | 32          | 7          | 3          | 10         | -        | -        | -        | 32          | 10         | 42          |  |
| XI Agro-forestry  |                |                     |            |             |            |            |            |          |          |          |             |            |             |  |
| Production technologies   |                |                     |            |             |            |            |            |          |          |          |             |            |             |  |
| Nursery management  |                |                     |            |             |            |            |            |          |          |          |             |            |             |  |
| Integrated Farming Systems  |                |                     |            |             |            |            |            |          |          |          |             |            |             |  |
| <b>XII. Others (Pl. Specify)</b>  |                |                     |            |             |            |            |            |          |          |          |             |            |             |  |
| <b>TOTAL</b>  | <b>76</b>      | <b>857</b>          | <b>440</b> | <b>1297</b> | <b>180</b> | <b>258</b> | <b>438</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1037</b> | <b>698</b> | <b>1735</b> |  |

## RURAL YOUTH (On and Off Campus)

| Thematic Area   | No. of Courses | No. of Participants |           |            |           |           |           |          |          |          | Grand Total |            |            |
|---|----------------|---------------------|-----------|------------|-----------|-----------|-----------|----------|----------|----------|-------------|------------|------------|
|   |                | Other               |           |            | SC        |           |           | ST       |          |          | M           | F          | T          |
|   |                | M                   | F         | T          | M         | F         | T         | M        | F        | T        |             |            |            |
| Mushroom Production                                     | 3              | 35                  | 33        | 68         | 4         | 15        | 19        | -        | -        | -        | 39          | 48         | 87         |
| Bee-keeping   | 2              | 35                  | 9         | 44         | 4         | 2         | 6         | -        | -        | -        | 39          | 11         | 50         |
| Integrated farming                                      |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Seed production   | 1              | 25                  | -         | 25         | 1         | -         | 1         | -        | -        | -        | 26          | -          | 26         |
| Production of organic inputs                            |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Integrated Farming                                      |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Planting material production                            |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Vermi-culture   | 1              | 22                  | 4         | 26         | 1         | 1         | 2         | -        | -        | -        | 23          | 5          | 28         |
| 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  | 1              | -                   | 8         | 8          | -         | 11        | 11        | -        | -        | -        | -           | 19         | 19         |
| Production of quality animal products                   |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| Dairying  | 2              | 45                  | 2         | 47         | 3         | -         | 3         | -        | -        | -        | 48          | 2          | 50         |
| Sheep and goat rearing                                  | 2              | 29                  | 4         | 33         | 2         | 21        | 23        | -        | -        | -        | 31          | 25         | 56         |
| 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  | 1              | -                   | 29        | 29         | -         | 3         | 3         | -        | -        | -        | -           | 32         | 32         |
| Enterprise development                                  |                |                     |           |            |           |           |           |          |          |          |             |            |            |
| <b>TOTAL</b>  | <b>13</b>      | <b>191</b>          | <b>89</b> | <b>280</b> | <b>15</b> | <b>53</b> | <b>68</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>206</b>  | <b>142</b> | <b>348</b> |



**Extension Personnel (On and Off Campus)**

| Thematic Area   | No. of Courses | No. of Participants |           |           |          |          |          |          |          |          | Grand Total |           |           |
|---|----------------|---------------------|-----------|-----------|----------|----------|----------|----------|----------|----------|-------------|-----------|-----------|
|   |                | Other               |           |           | SC       |          |          | ST       |          |          | M           | F         | T         |
|   |                | M                   | F         | T         | M        | F        | T        | M        | F        | T        |             |           |           |
| Productivity enhancement in field crops               | 1              | 24                  | 3         | 27        | 3        | -        | 3        | -        | -        | -        | 27          | 3         | 30        |
| Integrated Pest Management                            |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Integrated Nutrient management                        | 1              | 19                  | 4         | 23        | -        | -        | -        | -        | -        | -        | 19          | 4         | 23        |
| Rejuvenation of old orchards                          |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Value addition  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Protected cultivation technology                      |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| 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                               | 1              | 10                  | 5         | 15        | -        | -        | -        | -        | -        | -        | 10          | 5         | 15        |
| Women and Child care                                  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Low cost and nutrient efficient diet designing        |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Production and use of organic inputs                  | 1              | 18                  | 4         | 22        | 3        | 2        | 5        | -        | -        | -        | 21          | 6         | 27        |
| Gender mainstreaming through SHGs                     |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| Crop intensification                                  |                |                     |           |           |          |          |          |          |          |          |             |           |           |
| <b>TOTAL</b>  | <b>4</b>       | <b>71</b>           | <b>16</b> | <b>87</b> | <b>6</b> | <b>2</b> | <b>8</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>77</b>   | <b>18</b> | <b>95</b> |

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

| Date                    | Clientel e | Title of the training programme                             | Durat ion in days | Venue (Off / On Campu s) | Number of participants |           |            | Number of SC/ST |          |           |
|-------------------------|------------|---|-------------------|--------------------------|------------------------|-----------|------------|-----------------|----------|-----------|
|                         |            |   |                   |                          | M                      | F         | T          | M               | F        | Total     |
| <b>Crop Production</b>  |            |   |                   |                          |                        |           |            |                 |          |           |
| 27-06-15                | PF         | Packages of practices for direct seeded rice                | 1                 | OFF                      | 22                     | -         | 22         | -               | -        | -         |
| 29-06-15                | PF         | Techniques of MAT – type nursery raising for transplanting  | 1                 | ON                       | 23                     | -         | 23         | 3               | -        | 3         |
| 02-07-15                | PF         | Packages of practices for direct seeded rice                | 1                 | OFF                      | 24                     | -         | 24         | 1               | -        | 1         |
| 07-07-15                | PF         | INM in paddy  | 1                 | OFF                      | 27                     | 1         | 28         | 5               | -        | 5         |
| 14-07-15                | PF         | Techniques of MAT – type nursery raising for transplanting  | 1                 | ON                       | 15                     | -         | 15         | 1               | -        | 1         |
| 15-7-15 to 21-7-15      | RY         | Seed production technique of paddy                          | 6                 | ON                       | 26                     | -         | 26         | 1               | -        | 1         |
| 26-08-15                | PF         | Irrigation and fertilizer management in kharif maize        | 1                 | OFF                      | 29                     | 2         | 31         | 13              | -        | 13        |
| 15-09-15                | PF         | Irrigation and fertilizer management in kharif maize        | 1                 | OFF                      | 27                     | -         | 27         | 5               | -        | 5         |
| 18-09-15                | PF         | Contingent crop plan to mitigate adverse weather conditions | 1                 | OFF                      | 20                     | -         | 20         | 6               | -        | 6         |
| 23-09-15 to 24-09-15    | EF         | Improved package of produces for rabi crops                 | 2                 | ON                       | 27                     | 3         | 30         | 3               | -        | 3         |
| 06-10-15                | PF         | Use of bio-fertilizers for sustainable crop production      | 1                 | OFF                      | 12                     | 6         | 18         | 3               | -        | 3         |
| 07-10-15                | PF         | Integrated weed management in Rabi pulses                   | 1                 | OFF                      | 26                     | -         | 26         | 6               | -        | 6         |
| 04-11-15                | PF         | Improved package of practices for mustard production        | 1                 | ON                       | 20                     | 1         | 21         | 4               | -        | 4         |
| 05-11-15                | PF         | Packages of practices for chickpeas cultivation             | 1                 | ON                       | 24                     | 1         | 25         | 3               | 1        | 4         |
| 06-11-15                | PF         | Agronomic practices for fieldpea production                 | 1                 | ON                       | 22                     | 2         | 24         | 2               | 1        | 3         |
| 09-11-15                | PF         | Production techniques of lentil crops                       | 1                 | ON                       | 19                     | 2         | 21         | 3               | -        | 3         |
| 12-12-15                | PF         | Production techniques for late sown wheat                   | 1                 | ON                       | 24                     | 1         | 25         | 6               | -        | 6         |
| 18-12-15                | PF         | Use of bio-fertilizers for sustainable crop production      | 1                 | OFF                      | 17                     | 2         | 19         | 2               | -        | 2         |
| 22-01-16                | PF         | Integrated weed management in Rabi pulses                   | 1                 | OFF                      | 18                     | 2         | 20         | 2               | -        | 2         |
| 08-02-16                | PF         | Production techniques for late sown wheat                   | 1                 | OFF                      | 29                     | 4         | 33         | 3               | -        | 3         |
| 09-02-16                | PF         | Integrated weed management in Rabi pulses                   | 1                 | OFF                      | 30                     | -         | 30         | 3               | -        | 3         |
| 11-02-16                | PF         | Fertilizer and Irrigation management in wheat               | 1                 | OFF                      | 36                     | -         | 36         | 2               | -        | 2         |
| 12-03-16                | PF         | Improved package of production of Til (sesame) crop         | 1                 | ON                       | 16                     | 2         | 18         | 2               | -        | 2         |
|                         |            | <b>Total</b>  |                   |                          |                        |           |            |                 |          |           |
| <b>Plant Protection</b> |            |   |                   |                          |                        |           |            |                 |          |           |
| 15-06-15                | PF         | Method of Seed Treatment in SRI paddy                       | 1                 | OFF                      | 23                     | 25        | 48         | 3               | 4        | 7         |
| 15-09-15                | PF         | IPM in bhindi   | 1                 | OFF                      | 12                     | -         | 12         | -               | -        | -         |
| 17-09-15                | PF         | IPM in rice   | 1                 | OFF                      | 14                     | -         | 14         | 3               | -        | 3         |
| 19-11-15                | PF         | Seed treatment in wheat                                     | 1                 | OFF                      | 25                     | -         | 25         | 21              | -        | 21        |
| 09-01-16                | PF         | Management of late blight in potato                         | 1                 | OFF                      | 17                     | -         | 17         | -               | -        | -         |
| 28-02-16                | PF         | Management of aphid in mustard                              | 1                 | OFF                      | 20                     | -         | 20         | -               | -        | -         |
| 29-03-16                | PF         | IPM in Green gram   | 1                 | OFF                      | 25                     | -         | 25         | -               | -        | -         |
| 8/9-02-16               | EF         | IPM in rabi crops   | 1                 | ON                       | 19                     | 4         | 23         | -               | -        | -         |
|                         |            | <b>Total</b>  | <b>8</b>          | <b>-</b>                 | <b>155</b>             | <b>29</b> | <b>184</b> | <b>27</b>       | <b>4</b> | <b>31</b> |
| <b>Home Science</b>     |            |   |                   |                          |                        |           |            |                 |          |           |
| 16-04-15                | PF         | Different avenues of women empowerment                      | 1                 | OFF                      | -                      | 16        | 16         | -               | 2        | 2         |
| 14-05-15                | PF         | Cutting and stitching of ladies blouse                      | 1                 | ON                       | -                      | 16        | 16         | -               | -        | -         |
| 09-07-15                | PF         | Supplementary nutrition – when, why and how                 | 1                 | OFF                      | -                      | 20        | 20         | -               | 19       | 19        |
| 10-07-15                | PF         | Home scale method of Safe grain storage                     | 1                 | OFF                      | -                      | 22        | 22         | -               | 4        | 4         |
| 15-07-15 to 17-07-15    | RY         | Mushroom production   | 3                 | ON                       | -                      | 21        | 21         | -               | 9        | 9         |
| 20-07-15                | PF         | Different avenues of women enterprises                      | 1                 | OFF                      | -                      | 16        | 16         | -               | -        | -         |
| 10-08-15                | PF         | Kitchen Gardening and Human health                          | 1                 | OFF                      | -                      | 22        | 22         | -               | 2        | 2         |
| 18-08-15 to 25-08-15    | RY         | Mushroom production technology                              | 6                 | ON                       | 28                     | 13        | 41         | 4               | 3        | 7         |
| 26-08-15                | PF         | Prevention of nutrition loss during cooking                 | 1                 | OFF                      | -                      | 35        | 35         | -               | 15       | 15        |
| 02-09-15                | PF         | Mushroom Production   | 1                 | OFF                      | -                      | 18        | 18         | -               | 4        | 4         |

|                      |    |  |   |     |    |    |    |   |    |    |
|----------------------|----|--|---|-----|----|----|----|---|----|----|
| 03-09-15             | PF | Importance of nutrients and their deficiency symptom                   | 1 | OFF | -  | 28 | 28 | - | 3  | 3  |
| 08-09-15 to 19-09-15 | RY | Hand embroidery – rural craft  | 6 | ON  | -  | 32 | 32 | - | 3  | 3  |
| 17-09-15             | PF | Mushroom Production  | 1 | OFF | -  | 15 | 15 | - | -  | -  |
| 29-09-15             | PF | Awareness of low cost nutritive foods available in rural areas         | 1 | OFF | -  | 17 | 17 | - | -  | -  |
| 09-10-15 to 15-10-15 | RY | Mushroom Production  | 6 | ON  | 11 | 14 | 25 | - | 3  | 3  |
| 02-11-15             | PF | Preservation of seasonal fruits and vegetables                         | 1 | OFF | 3  | 13 | 16 | 1 | 1  | 2  |
| 09-11-15             | PF | Value addition of tomato   | 1 | OFF | -  | 20 | 20 | - | -  | -  |
| 8-12-15 & 10-12-15   | PF | Preservation of Amla   | 2 | ON  | -  | 18 | 18 | - | 1  | 1  |
| 14-12-15             | PF | Kitchen gardening and human health                                     | 1 | OFF | 3  | 23 | 26 | - | -  | -  |
| 16-12-15             | PF | Adulteration in food materials   | 1 | OFF | -  | 21 | 21 | - | 1  | 1  |
| 18-12-15             | PF | Value addition of tomato   | 1 | OFF | -  | 20 | 20 | - | -  | -  |
| 11-02-16             | PF | Value addition of potato   | 1 | OFF | -  | 21 | 21 | - | 21 | 21 |
| 19-02-16 to 23-02-16 | EF | Human health & kitchen garden  | 4 | ON  | 10 | 5  | 15 | - | -  | -  |
| 22-02-16             | PF | SHG formation & function   | 1 | OFF | -  | 26 | 26 | - | 23 | 23 |
| 26-02-16             | PF | Different avenues of women enterprises                                 | 1 | OFF | -  | 32 | 32 | - | 23 | 23 |
| 10-03-16 to 16-03-16 | RY | Preservation and processing of fruits and vegetables                   | 6 | ON  | -  | 19 | 19 | - | 11 | 11 |
| 18-03-16             | PF | Mushroom production  | 1 | OFF | 9  | 14 | 23 | - | -  | -  |
|                      |    | <b>Total</b>   |   |     |    |    |    |   |    |    |
|                      |    | <b>Extension Education</b>   |   |     |    |    |    |   |    |    |
| 21-07-15             | PF | Best utilization of available resources among farmers                  | 1 | OFF | -  | 32 | 32 | - | 11 | 11 |
|                      | PF | Exploitation of available resources for income generation              | 1 | OFF | 19 | -  | 19 | 2 | -  | 2  |
| 04-09-15             | PF | Capacity building among farmers for seed production                    | 1 | OFF | 25 | -  | 25 | 2 | -  | 2  |
| 29-09-15             | PF | Capacity building among farmers for seed production                    | 1 | OFF | 22 | -  | 22 | 2 | -  | 2  |
| 01-10-15             | PF | Need and importance of SHG's for income generation                     | 1 | OFF | 22 | -  | 22 | 2 | -  | 2  |
| 05-10-15 to 09-10-15 | RY | Development of entrepreneurial skill in vermi composting               | 5 | ON  | 23 | 5  | 28 | 1 | 1  | 2  |
| 02-11-15             | PF | SHG's as the means of self employment to the farmers and farm women    | 1 | OFF | 5  | 6  | 11 | - | 2  | 2  |
| 14-12-15             | PF | Vermi composting for more income                                       | 1 | OFF | 20 | -  | 20 | - | -  | -  |
| 16-12-15             | PF | Gender maintaining through SHG's                                       | 1 | OFF | 19 | 18 | 37 | 2 | 4  | 6  |
| 18-12-15             | RY | Development of entrepreneurial skill in bee keeping in self employment | 1 | ON  | 25 | 1  | 26 | 2 | -  | 2  |
| 13-01-16             | PF | Awareness of farmers for availability of markets                       | 1 | OFF | 18 | -  | 18 | 3 | -  | 3  |
| 04-02-16 to 05-02-16 | EF | Vermi composting for more income                                       | 2 | ON  | 21 | 6  | 27 | 3 | 2  | 5  |
| 10-02-16             | PF | Awareness of farmers for daily updates                                 | 1 | OFF | 14 | 10 | 24 | 4 | 3  | 7  |
| 11-02-16             | RY | Self employment through bee keeping                                    | 1 | ON  | 14 | 10 | 24 | 2 | 2  | 4  |
| 01-03-16             | PF | Development of entrepreneurial skill among farmers                     | 1 | OFF | 3  | 18 | 21 | 1 | 6  | 7  |
| 09-03-16             | PF | Development of enterprise skill among farmers                          | 1 | OFF | 9  | 3  | 12 | 9 | 3  | 12 |
|                      |    | <b>Total</b>   |   |     |    |    |    |   |    |    |
|                      |    | <b>Live stock Production and Management</b>                            |   |     |    |    |    |   |    |    |
| 12-06-15             | PF | Scientific management for improvement of milk production               | 1 | OFF | 37 | -  | 37 | 3 | -  | 3  |
| 06-07-15 to 08-07-15 | RY | Entrepreneurship development through goat farming                      | 3 | ON  | -  | 22 | 22 | - | 21 | 21 |
| 09-07-15             | PF | Management and prevention of HS & BQ in dairy animals                  | 1 | OFF | -  | 21 | 21 | - | 10 | 10 |
| 21-07-15             | PF | Treatment of straw with urea   | 1 | OFF | -  | 25 | 25 | - | 11 | 11 |
| 29-07-15 to 04-08-15 | RY | Entrepreneurship development in dairy farming                          | 6 | ON  | 30 | 2  | 32 | 2 | -  | 2  |
| 24-08-15 to 31-08-15 | RY | Entrepreneurship development in goat farming                           | 6 | ON  | 31 | 3  | 34 | 2 | -  | 2  |
| 02-09-15             | PF | Income generation through backyard poultry                             | 1 | OFF | 7  | 9  | 16 | 2 | 3  | 5  |

|                         |    |  |   |     |    |    |    |   |    |    |
|-------------------------|----|--|---|-----|----|----|----|---|----|----|
|                         |    | production   |   |     |    |    |    |   |    |    |
| 03-09-15                | PF | Vaccination in Poultry and dairy animals                 | 1 | OFF | 23 | -  | 23 | 4 | -  | 4  |
| 29-09-15                | PF | Small scale goat farming                                 | 1 | OFF | 23 | -  | 23 | 3 | -  | 3  |
| 01-10-15                | PF | Management of common disease in dairy animals            | 1 | OFF | 30 | -  | 30 | 2 | -  | 2  |
| 06-11-15                | PF | Technique of productive enhancement of dairy animals     | 1 | OFF | 41 | 3  | 44 | 8 | -  | 8  |
| 11-12-15                | PF | Management of common disease in goats                    | 1 | ON  | -  | 25 | 25 | - | 21 | 21 |
| 13-01-16                | PF | Management of cattle in different season                 | 1 | OFF | 16 | 3  | 19 | 6 | -  | 6  |
| 28-01-16 to<br>03-02-16 | RY | Entrepreneurship development in dairy animals            | 6 | ON  | 18 | -  | 18 | 1 | -  | 1  |
| 10-02-16                | PF | Clean milk production                                    | 1 | OFF | 19 | -  | 19 | 1 | -  | 1  |
| 11-02-16                | PF | Regular de worming and its importance in milk production | 1 | OFF | 16 | -  | 16 | 3 | -  | 3  |
| 18-03-16                | PF | Management of common disease in goats                    | 1 | ON  | -  | 30 | 30 | - | 30 | 30 |
| 28-03-16                | PF | Fodder production round the year                         | 1 | ON  | -  | 29 | 29 | - | 29 | 29 |
|                         |    | <b>Total</b>   |   |     |    |    |    |   |    |    |

*(D) Vocational training programmes for Rural Youth*

*Vocational training programmes for Rural Youth*

## (E) Sponsored Training Programmes

| S<br>N | Title   | Thema<br>tic area                        | Mont<br>h | Durati<br>on<br>(days) | Client<br>PF/R<br>Y/<br>EF | No.<br>of<br>cour<br>ses | No. of Participants |    |        |            |        |        |            |    |        | Sponsoring<br>Agency |                       |
|--------|---|--|-----------|------------------------|----------------------------|--------------------------|---------------------|----|--------|------------|--------|--------|------------|----|--------|----------------------|-----------------------|
|        |   |  |           |                        |                            |                          | Male                |    |        | Female     |        |        | Total      |    |        |                      |                       |
|        |   |  |           |                        |                            |                          | Othe<br>rs          | SC | S<br>T | Othe<br>rs | S<br>C | S<br>T | Othe<br>rs | SC | S<br>T |                      | Tota<br>l             |
| 1.     | Importance of variety selection in paddy production 12.5.15                       | CP                                       | May       | 1                      | PF                         | 1                        | 25                  | 8  | -      | 6          | 2      | -      | 31         | 10 | -      | 41                   | PRAN, Gaya            |
| 2.     | Method of taking soil samples 22.5.15   | Soil Sampling                            | May       | 1                      | PF                         | 1                        | 50                  | 25 | -      | 8          | 3      | -      |            |    | -      | 58                   | IFFCO, Gaya           |
| 3.     | Kharif Karyashala 27.5.15   |  | May       | 1                      | PF                         | 4                        | 175                 | 8  | -      | 25         | 3      | -      |            |    |        | 211                  | DAO/ATMA              |
| 4.     | Management of cattle in summer 30.5.15  | Cattle Mgmt.                             | May       | 1                      | PF                         |                          | 70                  |    |        |            |        |        |            |    |        | 98                   | DAO/ATMA              |
| 5.     | Kharif Karyashala 1.6.15  |  | June      | 1                      | PF/EF                      | 1                        |                     |    |        |            |        |        |            |    |        | 68                   | DAO/ATMA              |
| 6.     | Kharif Karyashala 4.6.15  |  | June      | 1                      | PF/EF                      | 1                        |                     |    |        |            |        |        |            |    |        | 56                   | DAO/ATMA              |
| 7.     | Kharif Karyashala 5.6.15  |  | June      | 1                      | PF/EF                      | 1                        |                     |    |        |            |        |        |            |    |        | 63                   | DAO/ATMA              |
| 8.     | Kisan club training cum exposure visit 23.7.15                                    |  | July      | 1                      | PF                         | 1                        |                     |    |        |            |        |        |            |    |        | 50                   | NABARD, Gaya          |
| 9.     | Agricultural marketing and farmer's awareness program 28.7.15                     | Marketi<br>ng                            | July      | 1                      | PF                         |                          |                     |    |        |            |        |        |            |    |        | 50                   | NIAM, Jaipur          |
| 10.    | Training on Azolla Blue Green algae 3.8.15 to 5.8.15                              | Bio-<br>fertilize<br>r<br>product<br>ion | Aug       | 1                      | EF                         | 6                        |                     |    |        |            |        |        |            |    |        | 50                   | IWMP, Gaya            |
| 11.    | Training on nursery management 10.8.15  | Nursery                                  | Aug       | 1                      | EF                         | 2                        |                     |    |        |            |        |        |            |    |        | 50                   | IWMP, Gaya            |
| 12.    | Krishi vaigyanik apke gaon mein 12.8.15 to 14.8.15                                |  | Aug       | 1                      | PF/EF                      | 2                        |                     |    |        |            |        |        |            |    |        | 9541                 | DAO/ATMA, BAU, Sabour |
| 13.    | Cropping pattern under watershed areas for livelihood security 11.8.15            | Livelih<br>ood<br>security               | Aug       | 1                      | EF                         | 2                        |                     |    |        |            |        |        |            |    |        | 50                   | IWMP, Gaya            |
| 14.    | Natural resource management 17.8.15   | NRM                                      | Aug       | 1                      | EF                         | 1                        |                     |    |        |            |        |        |            |    |        | 50                   | IWMP, Gaya            |
| 15.    | Organic farming and related activities 4.9.15                                     | Organic farming                          | Sept      | 1                      | PF                         |                          |                     |    |        |            |        |        |            |    |        | 3                    | IWMP, Gaya            |
| 16.    | Crop cutting cum training 2.11.15   |  | Nov       | 1                      | PF                         | 1                        |                     |    |        |            |        |        |            |    |        | 25                   | PRAN, Gaya            |
| 17.    | Crop cutting cum training 2.11.15   |  | Nov       | 1                      | PF                         | 1                        |                     |    |        |            |        |        |            |    |        | 13                   | PRAN, Gaya            |
| 18.    | Field days "Paddy" 4.11.15  |  | Nov       | 1                      | PF                         | 1                        |                     |    |        |            |        |        |            |    |        | 55                   | IFFCO, Gaya           |
| 19.    | Formation & management of SHG 21.11.15  | SHG                                      | Nov       | 1                      | PF                         | 1                        |                     |    |        |            |        |        |            |    |        | 50                   | IWMP, Gaya            |
| 20.    | Ravi Mahotsav 14.11.15  |  | Nov       | 1                      | PF/EF                      | 3                        |                     |    |        |            |        |        |            |    |        | 150                  | DAO/ATMA              |
| 21.    | Ravi Mahotsav 20.11.15  |  | Nov       | 1                      | PF/EF                      | 3                        |                     |    |        |            |        |        |            |    |        | 500                  | DAO/ATMA              |
| 22.    | Ravi Mahotsav 23.11.15  |  | Nov       | 1                      | PF/EF                      | 3                        |                     |    |        |            |        |        |            |    |        | 295                  | DAO/ATMA              |
| 23.    | Ravi Mahotsav 24.11.15  |  | Nov       | 1                      | PF/EF                      | 3                        |                     |    |        |            |        |        |            |    |        | 372                  | DAO/ATMA              |
| 24.    | Ravi Mahotsav 25.11.15  |  | Nov       | 1                      | PF/EF                      | 3                        |                     |    |        |            |        |        |            |    |        | 322                  | DAO/ATMA              |
| 25.    | Ravi Mahotsav 26.11.15  |  | Nov       | 1                      | PF/EF                      | 3                        |                     |    |        |            |        |        |            |    |        | 323                  | DAO/ATMA              |
| 26.    | New avenues of plant production measures special reference to rabi crops 27.11.15 | IPM                                      | Nov       | 1                      | EF                         |                          |                     |    |        |            |        |        |            |    |        | 40                   | ATMA, Gaya            |
| 27.    | Agromatic practices for quality seed production                                   | Seed product<br>ion                      | Nov       | 1                      | PF                         | 2                        |                     |    |        |            |        |        |            |    |        | 100                  | BSSCA Patna           |
| 28.    | Krishi Yantri Karan Mela 7.12.15  |  | Dec       | 1                      | PF                         | 2                        |                     |    |        |            |        |        |            |    |        | Mass                 | DAO/ATMA              |
| 29.    | Production technique of rabi crops 17.12.15                                       |  | Dec       | 1                      | PF                         |                          |                     |    |        |            |        |        |            |    |        | 60                   | PRAN, Gaya            |
| 30.    | Mushroom Production 21.12.15  | Mushro<br>om<br>Product<br>ion           | Dec       | 1                      | PF                         | 2                        |                     |    |        |            |        |        |            |    |        | 50                   | ATMA, Gaya            |
| 31.    | District level workshop 11.1.16   |  | Jan       | 1                      | PF                         |                          |                     |    |        |            |        |        |            |    |        | 50                   | PRAN, Gaya            |
| 32.    | Field visit(Diagnostic) 13.1.16   |  | Jan       | 1                      | PF                         |                          |                     |    |        |            |        |        |            |    |        | 15                   | ATMA, Gaya            |

|     |  |                   |     |   |    |   |  |  |  |  |  |  |  |  |  |  |    |               |
|-----|--|-------------------|-----|---|----|---|--|--|--|--|--|--|--|--|--|--|----|---------------|
| 33. | Vermi compost for income generation 9.2.16 to 10.2.16            | Vermi compost     | Feb | 2 | PF |   |  |  |  |  |  |  |  |  |  |  | 30 | Aragani India |
| 34. | Workshop on IRRAS project 17.2.16                                |                   | Feb | 1 | PF | 2 |  |  |  |  |  |  |  |  |  |  | 50 | PRAN, Gaya    |
| 35. | Farmers training 11.3.16   |                   | Mar | 1 | PF |   |  |  |  |  |  |  |  |  |  |  |    | IFFCO, Gaya   |
| 36. | Women farmers training 12.3.16                                   | Preservation      | Mar | 1 | PF |   |  |  |  |  |  |  |  |  |  |  | 60 | IFFCO, Gaya   |
| 37. | Dairy management 16/17.3.16                                      | Dairy management  | Mar | 2 | PF |   |  |  |  |  |  |  |  |  |  |  | 35 | KVK, Badh     |
| 38. | Yield enhancement by using low cost production technique 27.3.16 | Yield enhancement | Mar | 1 | PF |   |  |  |  |  |  |  |  |  |  |  | 80 | SCADA         |

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

| Nature of Extension Activity            | No. of activities | Farmers |        |       | Extension Officials |        |       | Total |        |       |
|---|-------------------|---------|--------|-------|---------------------|--------|-------|-------|--------|-------|
|   |                   | Male    | Female | Total | Male                | Female | Total | Male  | Female | Total |
| Field Day                               | 14                | 463     | 15     | 478   | -                   | -      | -     | 463   | 15     | 478   |
| Kisan Mela                              | 4                 |         |        |       |                     |        |       |       |        | mass  |
| <b>Kisan Chaupal</b>                    | 22                | 468     | 69     | 537   | 7                   | 1      | 8     | 475   | 70     | 545   |
| Exhibition                              |                   |         |        |       |                     |        |       |       |        |       |
| Film Show                               |                   |         |        |       |                     |        |       |       |        |       |
| Method Demonstrations                   | 38                |         |        |       |                     |        |       |       |        |       |
| Seminar                                 | 4                 |         |        |       |                     |        |       |       |        |       |
| Workshop                                | 5                 |         |        |       |                     |        |       |       |        |       |
| Group meetings                          |                   |         |        |       |                     |        |       |       |        |       |
| Lectures delivered as resource persons  | 10                |         |        |       |                     |        |       |       |        |       |
| Advisory Services                       | 1889              |         |        |       |                     |        |       |       |        |       |
| Scientific visit to farmers field       | 394               |         |        |       |                     |        |       |       |        |       |
| Farmers visit to KVK                    | 2159              | 1846    | 259    | 2159  | 45                  | 9      | 54    | 1891  | 268    | 2159  |
| Diagnostic visits                       |                   |         |        |       |                     |        |       |       |        |       |
| Exposure visits                         | 5                 |         |        |       |                     |        |       |       |        |       |
| Ex-trainees Sammelan                    |                   |         |        |       |                     |        |       |       |        |       |
| Soil health Camp                        |                   |         |        |       |                     |        |       |       |        |       |
| Animal Health Camp                      | 3                 |         |        |       |                     |        |       |       |        | 109   |
| Agri mobile clinic                      |                   |         |        |       |                     |        |       |       |        |       |
| Soil test campaigns                     | 1                 |         |        |       |                     |        |       |       |        | 250   |
| Farm Science Club Conveners meet        |                   |         |        |       |                     |        |       |       |        |       |
| Self Help Group Conveners meetings      |                   |         |        |       |                     |        |       |       |        |       |
| Mahila Mandals Conveners meetings       |                   |         |        |       |                     |        |       |       |        |       |
| Celebration of important days (specify) | 7                 |         |        |       |                     |        |       |       |        | mass  |
| Any Other (Specify)                     |                   |         |        |       |                     |        |       |       |        |       |

## B. Other Extension activities

| Nature of Extension Activity | No. of activities | Farmers |        |       | Extension Officials |        |       | Total |        |        |
|------------------------------|-------------------|---------|--------|-------|---------------------|--------|-------|-------|--------|--------|
|                              |                   | Male    | Female | Total | Male                | Female | Total | Male  | Female | Total  |
| Newspaper coverage           | 120               |         |        |       |                     |        |       |       |        | mass   |
| Radio talks                  | 2                 |         |        |       |                     |        |       |       |        | mass   |
| TV talks                     | 2                 |         |        |       |                     |        |       |       |        | mass   |
| Popular articles             |                   |         |        |       |                     |        |       |       |        |        |
| Extension Literature         | 5                 |         |        |       |                     |        |       |       |        | mass   |
| Voice Message                |                   |         |        |       |                     |        |       |       |        |        |
| KMAS                         | 72                |         |        |       |                     |        |       |       |        | 196028 |
| Video Conference             | 15                | 197     | 86     | 283   | -                   | -      | -     | 197   | 86     | 283    |

### 3.5 Production and supply of Technological products

#### Village seed

| Crop         | variety | Quantity of seed (q) | Value (Rs) | Number of farmers provided |
|--------------|---------|----------------------|------------|----------------------------|
|              |         |                      |            |                            |
|              |         |                      |            |                            |
|              |         |                      |            |                            |
|              |         |                      |            |                            |
| <b>Total</b> |         |                      |            |                            |

#### KVK farm

| Crop               | Variety    | Quantity of seed (q) | Value (Rs)       | Number of farmers provided |
|--------------------|------------|----------------------|------------------|----------------------------|
| Paddy              | R. Shweta  | 17.03                | 97853.00         | 63                         |
| Paddy              | Sahbhagi   | 65.79                | 201157.00        | 18                         |
| Paddy              | Pusa 1121  | 0.53                 | 1696.00          | 4                          |
| Mustard            | Pusa Mahak | 0.60                 | 4335.00          | 2                          |
| Lentil             | Arun       | 7.08                 | 69325.00         | 5                          |
| Wheat              | HD 2985    | 39.68                | 125755.00        | 10                         |
| Wheat              | DBW 14     | 5.22                 | 15675.00         | 6                          |
| Moong              | PDM 139    | 4.58                 | 43230.00         | 3                          |
| <b>Grand Total</b> |            | <b>140.51</b>        | <b>559026.00</b> | <b>111</b>                 |

#### Production of planting materials by the KVKs

| Crop                       | Variety | Quantity of seed (q) | Value (Rs) | Number of farmers provided |
|----------------------------|---------|----------------------|------------|----------------------------|
| <b>Vegetable seedlings</b> |         |                      |            |                            |
| Cauliflower                |         |                      |            |                            |
| Cabbage                    |         |                      |            |                            |
| Tomato                     |         |                      |            |                            |
| Brinjal                    |         |                      |            |                            |
| Chilli                     |         |                      |            |                            |
| Onion                      |         |                      |            |                            |
| Others                     |         |                      |            |                            |
| <b>Fruits</b>              |         |                      |            |                            |
| Mango                      |         |                      |            |                            |
| Guava                      |         |                      |            |                            |
| Lime                       |         |                      |            |                            |
| Papaya                     |         |                      |            |                            |
| Banana                     |         |                      |            |                            |
| Others                     |         |                      |            |                            |
| Ornamental plants          |         |                      |            |                            |
| Medicinal and Aromatic     |         |                      |            |                            |
| Plantation                 |         |                      |            |                            |
| Spices                     |         |                      |            |                            |
| Turmeric                   |         |                      |            |                            |
| Tuber                      |         |                      |            |                            |
| Elephant yams              |         |                      |            |                            |
| Fodder crop saplings       |         |                      |            |                            |
| Forest Species             |         |                      |            |                            |

|                    |  |  |  |  |
|--------------------|--|--|--|--|
| Others, pl.specify |  |  |  |  |
| Total              |  |  |  |  |

### Production of Bio-Products

| Bio Products    | Name of the bio-product | Quantity | Value (Rs.) | No. of Farmers |
|-----------------|-------------------------|----------|-------------|----------------|
|                 |                         | Kg       |             |                |
| Bio Fertilisers |                         |          |             |                |
| Bio-pesticide   |                         |          |             |                |
| Bio-fungicide   |                         |          |             |                |
| Bio Agents      |                         |          |             |                |
| Others          |                         |          |             |                |
| Total           |                         |          |             |                |

### Production of livestock materials

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers |
|---------------------------|-------------------|--------|-------------|----------------|
| Dairy animals             |                   |        |             |                |
| Cows                      |                   |        |             |                |
| Buffaloes                 |                   |        |             |                |
| Calves                    |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
| Poultry                   |                   |        |             |                |
| Broilers                  |                   |        |             |                |
| Layers                    |                   |        |             |                |
| Duals (broiler and layer) |                   |        |             |                |
| Japanese Quail            |                   |        |             |                |
| Turkey                    |                   |        |             |                |
| Emu                       |                   |        |             |                |
| Ducks                     |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
| Piggery                   |                   |        |             |                |
| Piglet                    |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
| Fisheries                 |                   |        |             |                |
| Indian carp               |                   |        |             |                |
| Exotic carp               |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
| Grand Total               |                   |        |             |                |



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

| Item                                | Title  | Authors name  | Number                                  | Circulation |
|-------------------------------------|--|---|---|-------------|
| Research paper                      |  |   |   |             |
| Seminar/conference/symposia papers  |  |   |   |             |
| Books                               |  |   |   |             |
| Bulletins                           |  |   |   |             |
| News letter                         |  |   |   |             |
| Popular Articles                    |  |   |   |             |
| Book Chapter                        |  |   |   |             |
| Extension Pamphlets/literature      | मसूर की वैज्ञानिक खेती<br>चना की वैज्ञानिक खेती<br>सरसों की वैज्ञानिक खेती<br>शुन्य कर्षण से गेहूँ बुवाई विधि<br>आयस्टर मशरूम उत्पादन तकनीक  | S. Chaurasia & G. Kumar<br>S. Chaurasia & G. Kumar<br>S. Chaurasia & G. Kumar<br>S. Chaurasia & G. Kumar<br>N. Sinha & S. Chaurasia | 10000<br>10000<br>10000<br>2000<br>2000 |             |
| Technical reports                   | 1. Annual report (Apr 2015-Mar 16) of KVK, Gaya<br>2. Monthly report – 12<br>3. Quarterly report (Apr 15- Mar 16) – 4<br>4. Action Plan(April 16- March 17)<br>5. Extension Council meeting report- 2<br>6. SAC Meeting report 2015<br>7. P M O/CCC/RFD Report on skill development - 12<br>8. Training Calendar - 4<br>9. Kisan Chaupal report - 1<br>10. Success story of innovative farmers-2<br>11. Kisan Samachar – Quarterly<br>12. Kharif contingent crop plan 2015<br>13. KVK ATMA convergence<br>14. Report on cluster demonstration<br>15. Report on Soil health card distribution cum pre rabi Krishi mela – 2015<br>16. Report on activities in Sansad Adarsh Gram Yojna |   |   |             |
| Electronic Publication (CD/DVD etc) |  |   |   |             |
| TOTAL                               |  |   |   |             |

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

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

| S. No. | Name of programme   | Name of KVK personnel and designation | Date and Duration     | Organized by       |
|--------|---|---------------------------------------|-----------------------|--------------------|
| 1.     | IPM of field crops and horticultural crops  | Dr. G. Kumar SMS (Agro.)              | 16-18 Jun 2015        | BCKV, Kalyani (WB) |
| 2.     | Climate smart Agriculture in Bihar  | Dr. G. Kumar SMS (Agro.)              | 27-29 July 2015       | DNS, Patna         |
| 3.     | New advances in horticulture and its adoption   | Dr. A. Kumar SMS (Ext. Edu.)          | 29 July to 2 Aug 2015 | BAU, Sabour        |
| 4.     | Cluster Demonstration Training  | Dr. G. Kumar SMS (Agro.)              | 2 Oct. 2015           | ICAR, Patna        |
| 5.     | Livelihood improvement of rural youth through livestock and poultry based intervention          | Dr. A. K. Ravi SMS (Vet. Sci.)        | 14 Dec 2015           | BVC, Patna         |
| 6.     | Gender analysis and mainstreaming in agriculture  | Dr. N. Sinha SMS(H. Sci.)             | 02-22 Jan. 2016       | IARI, N. Delhi     |
| 7.     | Advances in crop production and soil health management with special reference to bio fertilizer | Dr. G. Kumar SMS(Agro.)               | 8-12 Jan. 2016        | BAU, Sabour        |
| 8.     | New advances in veterinary and animal science and its adoptions                                 | Dr. A. K. Ravi SMS (Vet. Sci.)        | 19- 23 Feb. 2016      | BVC, Patna         |
| 9.     | Crop management for rice based system   | Dr. G. Kumar SMS(Agro.)               | 14-15 March 2016      | BAU, Sabour        |

## (c) Workshop, Seminar, Conferences, Programmes:

| Date           | Subject   | Place                     | Participants   |
|----------------|---|---------------------------|--|
| 2-5 April 2015 | International Conference on sustainable innovations in Dairy      | Rajgir, Nalanda           | P.C., S.M.Ss, Programme Asst. (Computer) with 50 Farmers                 |
| 7-9 April 2015 | Importance of weather forecasting in Agriculture National Seminar | RAU, Pusa                 | SMS Agronomy   |
| 28.06.15       | Inauguration of ICAR Station by Hon'ble PM of India               | Barhi, Hazaribag          | P.C., S.M.Ss, Programme Asst. (Computer) with Farmers                    |
| 25-26 July 15  | National Conference of KVK& 87 <sup>th</sup> ICAR foundation day  | S.K. Memorial Hall, Patna | P.C. SMSs  |
| 19.08.2015     | Foundation stone ceremony   | ATARI, Patna              | P.C., SMS  |
| 20.08.15       | National Child Congress   | Gaya                      | SMS Agronomy   |
| 10-12 Sept. 15 | Extension Council Meeting   | BAU, Sabour               | P.C., SMS  |
| 15-16 Oct. 15  | Election Duty in Bihar Assembly Election 2015                     | Gaya                      | P.C., 3 SMS, F.M., Asst., Prog. Asst. (Computer), Stenographer, Driver   |
| 03.11.15       | SAC Meeting   | KVK, Gaya                 | All  |
| 05.12.15       | Soil Health Card distribution –cum- Pre-Rabi Kisan Sammelan 2015  | KVK, Gaya                 | All  |
| 8-11 Dec. 15   | Cluster Demonstration Workshop                                    | Kalyani, BCKV             | SMS Agronomy   |
| 22-23 Dec. 15  | National Seminar on intellectual property rights in agriculture   | BAU, Sabour               | SMS Extn. Edn.   |
| 23.12.15       | Jai Kisan Jai Vigyan Diwas  | Bakraur, Bodhgaya         | PC, SMS Agro, Stenographer   |
| 19.01.2016     | Bodh Mohotasav  | Bodhgaya                  | PC, SMSs   |
| 4-6 March 16   | Kisan Mela  | BAU, Sabour               | P.C., SMSs, Farm Manager, Prog. Asst. (Computer), Driver with 70 farmers |

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

**1. Rajesh Singh**

Sri Rajesh Singh, an XLRI alumni was working a professional in Ranchi. He has done his post graduation from BCKV, West Bengal in plant breeding. His academic background coupled with his practical skills and hands on experiences motivated him to become social entrepreneur. Understanding of development paradox of country especially the backward state like Bihar he opted to start his entrepreneur from Gaya. He started his own enterprise dedicated to serving, small and marginal farmers, has a portfolio that include seeds, aromatic oils, mushroom and vegetable production along with advisory services for farming including marketing of products as well as farm mechanizations also. He specially worked for captive and contract farming on different commercial crops i.e., sweet corn, baby corn, other exotic vegetables, aromatic crops etc.

To begin with he has taken 10 acre of land in Guraru nearer to Gaya town NH-2 and started farming of aromatic plants with aim to get higher return on per unit area, to incur better price in appropriate market and minimization of pest attacks in field.

**Government Support:**

All his farm activities were planned with the help of KVK Gaya. He has acquired financial support from DHO/DAO for establishment of poly house for exotic vegetables production and mushroom/mushroom spawn unit at his farm.

**Marketing Strategies:**

He started contract farming with the farmers of nearby village for production and marketing of mushroom, sweet corn, baby corn and other exotic vegetables. Through management of these crops he not only ensures extra profit to the farmers but also provides them proper know how.

**Profit Generated:**

He started earning through farming on contract basis and earned about 10lacs. His earning is through mushroom unit, mushroom spawn unit, vegetable seed production, and vegetable production and most importantly from aromatic plants through production of oil.

His annual income from all these enterprises is approximately 20 - 25 lacs per annum. Profit generated from different enterprises is mentioned below:

| S.N.         | Enterprise   | Area (acre) | Production (Q) | Income Earned (Rs.) | Net Profit (Rs.) |
|--------------|--|-------------|----------------|---------------------|------------------|
| 1.           | Mushroom unit, contract farming, Mushroom spawn unit | 0.2         | 10             | 2,00,000            | 1,00,000         |
| 2.           | Aromatic plant                                       | 4.0         | 10             | 2,00,000            | 2,00,000         |
| 3.           | Baby corn, Sweet corn production                     | 1.5         | 0.06           | 2,10,000            | 56,000           |
| 4.           | Contract farming baby corn                           |             | 0.12           | 4,20,000            | 1,00,000         |
| 5.           | Vegetable seed production                            | 2.8         | 5.0            | 80,000              | 4,00,000         |
| 6.           | Vegetable production                                 |             | 100            | 2,00,000            | 1,00,000         |
| 7.           | Sapling production                                   | 1.5         | 10000          | 1,50,000            | 1,00,000         |
| <b>Total</b> |  | <b>10</b>   |                | <b>14,60,000</b>    | <b>10,56,000</b> |



## 2. Birendra Singh

Sri Birendra Singh of Tetariya village of Manpur block, Gaya has proven himself as lead farmer. Previously, he was cultivating 8.0 hectare of land traditionally by growing paddy, wheat, moong bean etc. and was able to somehow manage his household needs. Due to his keen interest in the field of Agriculture, he regularly participated in the various training programmes and other technical activities organized by KVK, Gaya, ATMA and agriculture department. In this way, he gained necessary skill learned different improved agricultural technologies and related enterprises, where additional income could be generated simply by shifting the choice. Further, he opted to produce the quality seeds of cereals and pulses at his own farm through community approach which is the basic need of farmers.



### **Showing the way to others:**

With guidelines from KVK scientists, he played a lead role in convincing a group of 30 farmers from nearby villages to produce quality seeds- for their own need as well as to opt this enterprise on business mode for the well-being farmers. With this objective, scientist of KVK, Gaya trained them with full package of quality seed production comprising paddy, wheat, gram and lentil. He was able to produce quality seeds of lentil (var- PL-4 & K-75) – 200 Q; gram (var- P-186) – 70 Q and paddy (var- Sahbhagi) – 500 Q on collective basis within two years i.e., 2013-14 & 2014-15.

### **Government Support:**

KVK has linked him with BRBN, Patna for purchase of quality seeds in bulk produced by farmers.

### **Marketing strategies:**

Earlier, he used to sale the seeds in the local market and among the farmers of nearby villages. But later on, with the agreement from BRBN, Patna, he is now supplying the whole produce (unprocessed seed) as per the rate fixed by the agency. Apart from this, the produced grain is sold through local PACs at higher price fixed by the government.

### **Profit generated:**

The produce is sold as seed as it can fetch almost double amount in comparison to simple grain. In this way, the total return is Rs. 11,75,000/- within two years simply by shifting choice from grain production to seed production.

### **Future Plan:**

Sri Singh is looking forward anxiously to adopt seed production as an enterprise for long lasting. He along with his team member is keenly interested in this business and need the back supporting of government agencies.



**Field Crop of Sri Birendra Singh**

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

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

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

3.10 Indicate the specific training need analysis tools/methodology followed by the KVK

3.11. a. Details of equipment available in Soil and Water Testing Laboratory **NA**

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

3.11.b. Details of samples analyzed so far:

| Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
|---------|----------------|----------------|-----------------|-----------------|
|         |                |                |                 |                 |
| Total   |                |                |                 |                 |

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

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

3.13 Technology week celebration: **NA**

| Date | Thematic Area | Male | Female | Extension Functionaries | Total |
|------|---------------|------|--------|-------------------------|-------|
|      |               |      |        |                         |       |
|      |               |      |        |                         |       |
|      |               |      |        |                         |       |
|      |               |      |        |                         |       |

3.14. RAWE programme - is KVK involved? **NA**

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

## 3.15. List of VIP visitors including the officials of ZPD and DEE

| Date     | Name of the person  | Purpose of visit                               |
|----------|---|--|
| 15.05.15 | Sri Bageshwari Singh, Chairman, Bihar Rajya Kisan Ayog, Patna | KVK Visit                                      |
| 18.07.15 | Dr. Rabi Singh Ratan, BAU, Ranchi                             | New KVK Site visit in Gaya                     |
|          | Dr. K.M. Singh, DOEE, RAU, Pusa                               |  |
|          | Dr. A. K. Singh, ZPD Zone-II, Kolkata                         |  |
|          | Dr. B.K. Sahi, P.C.,  |  |
|          | Dr. G. Trivedi,   |  |
| 27.07.15 | Dr. G. Rajendra Reddy, ZPD Zone-V                             | KVK Visit                                      |
|          | Dr. L.R. Tambade, Sr.Scientist & Head, Solapur                |  |
|          | Dr. S.V. Sonvna, Sr. Scientist & Head, Jalna                  |  |
|          | Prof. Sncase KA, MGM, KVK, Aurangabad                         |  |
|          | Mr. Narayan Nibe, I/c P.C., Dadrigaon, Ahmadnagar             |  |
| 28.07.15 | Dr. S. R. Singh, Asst. Director, NIAM, Jaipur                 | NIAM training                                  |
| 30.08.15 | Dr. Arun Kumar, VC, BAU, Sabour                               | KVK Visit                                      |
| 03.11.15 | Dr. R.N. Singh, ADEE BAU, Sabour                              | SAC Meeting                                    |
| 03.12.15 | Dr. R.K. Sohane, DEE BAU, Sabour                              | KVK Visit                                      |
| 05.12.15 | Sri Hari Manjhi, Hon'ble M.P., Gaya                           | Soil Health Card-cum Rabbi Kisan Sammelan 2015 |
|          | Dr. S. K. Roy, Pr. Scientist, ZPD Unit, Kolkata               |  |
| 10.01.16 | Dr. Arun Kumar, VC, BAU, Sabour                               | KVK Visit                                      |

## 4.0 IMPACT

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

| Name of specific technology/skill transferred                       | No. of participants | % of adoption | Change in income (Rs.) |                  |
|---|---------------------|---------------|------------------------|------------------|
|   |                     |               | Before (Rs./Unit)      | After (Rs./Unit) |
| SRI Technique   |                     | 50-55%        | 16000                  | 26000            |
| Use of Rhizobium  |                     | 60%           | 32000                  | 36000            |
| Change in cropping system   |                     | 42%           | 100000                 | 166000           |
| Deworming in animal   |                     | 20%           | 3750                   | 4025             |
| FMD in animal   |                     | 20%           | 5000                   | 8000             |
| Formulation of balance diet   |                     | 27%           | 4000                   | 5000             |
| Value- addition of fruits & vegetable                               |                     | 15%           | 2000                   | 3500             |
| Women empowerment and income generation through Mushroom production |                     | 50%           | 500                    | 3000             |
| Zero tillage  |                     | 35%           | 51000                  | 54000            |
| Use of pendimethylen in crops                                       |                     | 65%           | 61000                  | 65000            |

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

## 4.2 Cases of large scale adoption

(Please furnish detailed information for each case)

| Horizontal spread of technologies |                   |
|-----------------------------------|-------------------|
| Technology                        | Horizontal spread |
|                                   |                   |
|                                   |                   |

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

- ✓ Vocational training started in goatry, dairy, poultry mushroom etc. after the training 6 goatry unit up gradation in dairy unit and poultry unit and 4 mushroom commercial units have been started through SHG.
- ✓ Popularization of SRI technique in Paddy, Wheat vegetable and oil seeds.



- ✓ About 5 quintals of Dhaincha seed produced and sold among the farmers to maintain soil health during reported period.
- ✓ Popularization of high yielding variety of Paddy i.e., sahbhagi tried at farm field to introduced among farmers,
- ✓ Popularization of different drugs for the treatment of sterility in dairy animals.
- ✓ Popularization of ectoparasiticids on dairy animals for disease management increasing milk production & health of dairy animal
- ✓ Popularization of mushroom production through supply of spawn
- ✓ Popularization of zero tillage technique for wheat Production.
- ✓ Popularization of eco-friendly and safe insecticide i.e., Fipronil, Indoxacarb Emamectin Benzoate.

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

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

#### 4.5 Details of entrepreneurship development

| <b>Entrepreneurship development</b>   |   |
|---|---|
| Name of the enterprise  | Bee keeping   |
| Name & complete address of the entrepreneur   | Chittaranjan Kumar, Paraiya   |
| Intervention of KVK with quantitative data support:   | Training  |
| Time line of the entrepreneurship development   | 10 Years  |
| Technical Components of the Enterprise  | Honey   |
| Status of entrepreneur before and after the enterprise  | Before Rs. 25000/- and after 3.75 lacs per annum  |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): | At present he is producing honey from 340 boxes and earning Rs. 3.75 lacs per annum. He has launched his product in market by the trade name of “ <b>Surabhi Madhu</b> ”. |
| Horizontal spread of enterprise   | 20 farmers  |

#### 4.6 Any other initiative taken by the KVK

### 5.0 LINKAGES

#### 5.1 Functional linkage with different organizations

| Name of organization                                      | Nature of linkage                             |
|---|---|
| 1. District Agriculture Officer, Gaya                     | Training to farmers & Extension functionaries |
| 2. Agricultural Technology Management Agency (ATMA), Gaya | Training, Field day, Kisan Mela               |
| 3. District Horticulture Office, Gaya                     | Training                                      |
| 4. Bihar State Forest Development Corporation, Gaya       | Training                                      |
| 5. Sugarcane Development Department, Gaya/Patna.          | Training / Exhibition / Seminar               |



## 6.2 Performance of instructional farm (Crops)

| Name Of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production |                 |         | Amount (Rs.)   |              | Remarks   |
|------------------|----------------|-----------------|-----------|-----------------------|-----------------|---------|----------------|--------------|-----------|
|                  |                |                 |           | Variety               | Type of Produce | Qty.(q) | Cost of inputs | Gross income |           |
| Moong            | Apr 15         | Jun 15          | 1.0       | PDM 139               | T/L             | 4.62    | 10500          | 50820        | Sale      |
| Paddy            | Jul 15         | Nov 15          | 2.5       | Sahbhagi              | F/S             | 90.30   | 40500          | 225700       | In Store  |
| Paddy            | Jul 15         | Nov 15          | 1.0       | R Sweta               | F/S             | 44.50   | 16500          | 133500       | In Store  |
| Lentil           | Nov 15         | Mar 15          | 1.1<br>5  | HUL 57                | F/S             | 7.0     | 16200          | 70000        | In store  |
| Lentil           | Nov 15         | Mar 15          | 0.3<br>5  | Arun                  | T/L             | 0.60    | 2600           | 6000         | In store  |
| Wheat            | Nov 15         | Apr 15          | 1.8<br>8  | HI 1563               | F/S             | 35.0    | 25500          | 105000       | In godown |
| Wheat            | Nov 15         | Apr 15          | 0.6<br>5  | HD 2985               | T/L             | 10.0    | 8850           | 25000        | In godown |

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

| Sl. No. | Name of the Product | Qty (Kg) | Amount (Rs.)   |              | Remarks                 |
|---------|---------------------|----------|----------------|--------------|-------------------------|
|         |                     |          | Cost of inputs | Gross income |                         |
| 1.      | Guava orchard       | -        | -              | 2500/-       | Sold on committee basis |
|         |                     |          |                |              |                         |

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

NA

| Sl. No | Name of the animal / bird / aquatics | Details of production |                 |         | Amount (Rs.)   |              | Remarks |
|--------|--------------------------------------|-----------------------|-----------------|---------|----------------|--------------|---------|
|        |                                      | Breed                 | Type of Produce | Qty.    | Cost of inputs | Gross income |         |
| 1.     | Goat                                 | Black Bengal          | Kids            | 16 Kids |                |              |         |
| 2.     |                                      |                       |                 |         |                |              |         |

## 6.5 Utilization of hostel facilities

Accommodation available (No. of beds) : 25 Beds

| Months    | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
|-----------|------------------------|----------------------------|--------------------------------|
| Nov. 2015 | 25                     | 6                          |                                |
|           |                        |                            |                                |
| Total :   |                        |                            |                                |

(For whole of the year)

## 6.5 Utilization of staff quarters: NA

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

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

## 7. FINANCIAL PERFORMANCE

## 7.1 Details of KVK Bank accounts

| Bank account     | Name of the bank     | Location        | Account Number   |
|------------------|----------------------|-----------------|------------------|
| Saving(Main A/c) | Punjab National Bank | Dhamitola, Gaya | 0179000100225627 |
| Saving(R/F A/c)  | Punjab National Bank | Dhamitola, Gaya | 0179000100225636 |

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

| Item    | Released by ICAR |           | Expenditure |      |          | Unspent balance as on 1 <sup>st</sup> April 2016 |
|---------|------------------|-----------|-------------|------|----------|--|
|         | Kharif           | Rabi      | Kharif      | Rabi | Zaid     |  |
| Mustard |                  | 60000.00  | 22109.00    |      |          | 36891.00   |
| Sesame  |                  | 150000.00 |             |      | 40598.00 | 109402.00  |
|         |                  |           |             |      |          |  |

## 7.3 Utilization of funds under FLD on Pulses (Rs. In Lakhs)

| Item      | Released by ICAR |           | Expenditure |           |      | Unspent balance as on 1 <sup>st</sup> April 2016 |
|-----------|------------------|-----------|-------------|-----------|------|--|
|           | Kharif           | Rabi      | Kharif      | Rabi      | Ziad |  |
| Lentil    |                  | 180000.00 |             | 147382.00 |      | 34718.00   |
| Chickpea  |                  | 150000.00 |             | 141030.00 |      | 8970.00  |
| Fieldpea  |                  | 112500.00 |             | 97772.00  |      | 14728.00   |
| Greengram |                  | 112500.00 |             | 97510.00  |      | 17990.00   |

## 7.4 Utilization of funds under FLD on Maize (Rs. In Lakh)

NA

| Item  | Released by ICAR |      | Expenditure |      | Unspent balance as on 1 <sup>st</sup> April 2012 |
|-------|------------------|------|-------------|------|--|
|       | Kharif           | Rabi | Kharif      | Rabi |  |
| TOTAL |                  |      |             |      |  |

## 7.5 Utilization of KVK funds during the year 2015 -16 (Not audited)

| S. No.                                | Particulars                   | Sanctioned        | Released          | Expenditure       |
|---------------------------------------|-------------------------------|-------------------|-------------------|-------------------|
| <b>A. Recurring Contingencies</b>     |                               |                   |                   |                   |
| 1                                     | Pay & Allowances              | 7280000.00        | 7280000.00        | 7100000.00        |
| 2                                     | Traveling allowances          | 100000.00         | 100000.00         | 100000.00         |
| 3                                     | HRD                           | 0.00              | 0.00              | 0.00              |
| 4                                     | Contingencies                 | 1300000.00        | 1300000.00        | 1250000.00        |
| <b>TOTAL (A)</b>                      |                               | <b>8680000.00</b> | <b>8680000.00</b> | <b>8450000.00</b> |
| <b>B. Non-Recurring Contingencies</b> |                               |                   |                   |                   |
| 1                                     | Vehicle (Motorcycle – 2 Nos.) | 120000.00         | 120000.00         | 120000.00         |
| 2                                     | Genset – 25 KVA               | 500000.00         | 500000.00         | 00.00             |
| 3                                     |                               |                   |                   |                   |
| 4                                     |                               |                   |                   |                   |
| <b>TOTAL (B)</b>                      |                               | <b>620000.00</b>  | <b>620000.00</b>  | <b>120000.00</b>  |
| <b>C. REVOLVING FUND</b>              |                               | <b>0.00</b>       | <b>0.00</b>       | <b>0.00</b>       |
| <b>GRAND TOTAL (A+B+C)</b>            |                               | <b>9300000.00</b> | <b>9300000.00</b> | <b>8570000.00</b> |

## 7.6. Status of revolving fund (Rs.) for last three years

| Year    | Opening balance as on 1 <sup>st</sup> April | Income during the year | Expenditure during the year | Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash) |
|---------|---|------------------------|-----------------------------|--|
| 2012-13 | 145596.85                                   | 277607.00              | 163541.00                   | 259662.85  |
| 2013-14 | 259662.85                                   | 313559.00              | 239620.00                   | 333601.85  |
| 2014-15 | 333601.85                                   | 562552.00              | 280195.00                   | 615958.85  |
| 2015-16 | 615958.85                                   | 704513.00              | 292022.00                   | 1028449.85   |

7.6.(i) Number of SHGs formed by KVKs (ii) association of KVKs with SHGs formed by other organizations indicating the area of SHG activities.

7.7 Details of marketing channels created for the SHGs

7.8. Special programme on Food and Nutrition :

7.9. Community Radio Station :

7.10. **Joint activity carried out with line departments and ATMA:** As mentioned in sponsored programme

| Name of activity                | Season      | With line department     | With ATMA | Both     |
|---------------------------------|-------------|--------------------------|-----------|----------|
| Kharif Karyshala                | Kharif 2015 |                          |           | DAO/ATMA |
| IWMP training programme         | Kharif 2015 | Soil Conservation Deptt. |           |          |
| Rabi Mahotsav                   | Rabi 2015   |                          |           | DAO/ATMA |
| IPM training for rabi crops     | Rabi 2015   |                          | ATMA      |          |
| Seed production training        | Rabi 2015   | BSSCA, Patna             |           |          |
| Krishi Yantrikaran Mela         | Rabi 2015   |                          |           | DAO/ATMA |
| Training on Mushroom production | Rabi 2015   |                          | ATMA      |          |
| Field visit                     | Rabi 2015   |                          | ATMA      |          |
| Training on yield enhancement   | Rabi 2015   | SCADA, Patna             |           |          |

## 8. Other information

8.1. Prevalent diseases in Livestock/Crops

NA

| Name of the disease | Crop/animal | Date of outbreak | Number of death/ % crop loss | Number of animals vaccinated |
|---------------------|-------------|------------------|------------------------------|------------------------------|
|                     |             |                  |                              |                              |
|                     |             |                  |                              |                              |
|                     |             |                  |                              |                              |

8.2. Nehru Yuva Kendra (NYK) Training

NA

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

8.3. PPV & FR Sensitization training Programme **NA**

| Date of organizing the programme | Resource Person | No. of participants | Registration (crop wise) |                     |
|----------------------------------|-----------------|---------------------|--------------------------|---------------------|
|                                  |                 |                     | Name of crop             | No. of registration |
|                                  |                 |                     |                          |                     |

8.4. KMAS /SMS Portal **NA****KISAN MOBILE ADVISORY SERVICE**

| No. of calls | No. of farmers covered | No. of messages | Types of messages (No.) |           |         |           |           |       |
|--------------|------------------------|-----------------|-------------------------|-----------|---------|-----------|-----------|-------|
|              |                        |                 | Crop                    | Livestock | Weather | Marketing | Awareness | Other |
|              |                        |                 |                         |           |         |           |           |       |

## 8.5. SMS PORTAL

Date of start of functioning of SMS portal: 05.08.2013

| No. of messages | No. of calls | No. of farmers covered | Types of messages (No.) |           |         |           |           |       |
|-----------------|--------------|------------------------|-------------------------|-----------|---------|-----------|-----------|-------|
|                 |              |                        | Crop                    | Livestock | Weather | Marketing | Awareness | Other |
| 72              |              | 196028                 | 47                      | 12        | -       | -         | 10        | 3     |

8. 6.Programme with Seema Suraksha Bal (BSF) **NA**

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

## 8.7. a. Utilization of HRD fund (Rs 0.15 Lakh provided to KVKs)

| Training programme/ Seminar/ Symposia/ Workshop etc attended | Duration | Name of the participants | Designation | Organizer of the training Programme | Amount spent for the purpose (Rs.) |
|--|----------|--------------------------|-------------|-------------------------------------|------------------------------------|
|  |          |                          |             |                                     |                                    |

## b. HRD fund utilized for other purposes

| Head | Amount (Rs.) |
|------|--------------|
| HRD  | 15000.00     |

## 8.8. Performance of Automatic Weather Station in KVK

| Date of establishment | Source of funding i.e. IMD/ICAR/Others (pl. specify) | Present status of functioning |
|-----------------------|--|-------------------------------|
| 2010                  | IMd  | Functioning                   |

8.9. IPNI Trail (**Applicable for KVKs identified under IPNI trial**)

NA

- I Name of Crop  
 II No. of farmers involved  
 III Area (ha.)  
 IV Date of sowing  
 V Crop Season  
 VI Result of trial with photographs however detailed results/observation should be sent as per performance after crop harvest  
 VII Amount Spent

## 8.10. Achievement under TSP Project (Saraikella, Godda, Sahibganj, Dumka, Giridih,, Pakur) NA

| Name of the village adopted under TSP | Block | Population of the village |   |   | ST Population of the village |   |   | Percentage of ST population to total population |
|---------------------------------------|-------|---------------------------|---|---|------------------------------|---|---|---|
|                                       |       | M                         | F | T | M                            | F | T |   |
|                                       |       |                           |   |   |                              |   |   |   |

## Details of Activities under TSP Project

| Activities                              |  | No. of participants |   |   | Approx. expenditure (Rs.) |
|---|--|---------------------|---|---|---------------------------|
|   |  | M                   | F | T |                           |
| No. of on-farm trials                   |  |                     |   |   |                           |
| Frontline demonstrations                |  |                     |   |   |                           |
| Farmers trained                         |  |                     |   |   |                           |
| No of extension activities              |  |                     |   |   |                           |
| Input made available                    |  |                     |   |   |                           |
| Seed (q)                                |  |                     |   |   |                           |
| Planting material (No)                  |  |                     |   |   |                           |
| Livestock strains and finger lings      |  |                     |   |   |                           |
| No of poultry, duck, pig, goat provided |  |                     |   |   |                           |
| No of farm implements provided          |  |                     |   |   |                           |
| Others, if any, please specify          |  |                     |   |   |                           |
| Exposure visit                          |  |                     |   |   |                           |
| Exhibition                              |  |                     |   |   |                           |
| Kisan Mela                              |  |                     |   |   |                           |

8.11 PROGRESS REPORT OF NICRA KVK (Technology Demonstration component) 2015-16  
(Applicable for KVKs identified under NICRA) NA

Natural Resource Management

| Name of intervention undertaken | Numbers under taken | No of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|---------------------|-------------|-----------|------------------------------------|---------|
|                                 |                     |             |           |                                    |         |
|                                 |                     |             |           |                                    |         |
|                                 |                     |             |           |                                    |         |
|                                 |                     |             |           |                                    |         |

Crop Management

| Name of intervention undertaken | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|-----------|------------------------------------|---------|
|                                 |           |                                    |         |
|                                 |           |                                    |         |

Livestock and fisheries

| Name of intervention undertaken | Number of animal covered | Number of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|--------------------------|-----------------|-----------|------------------------------------|---------|
|                                 |                          |                 |           |                                    |         |

Institutional interventions

| Name of intervention undertaken | No of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---------------------------------|-------------|-----------|------------------------------------|---------|
|                                 |             |           |                                    |         |

Capacity building

| Thematic area | No. of Courses | No. of beneficiaries |         |       |
|---------------|----------------|----------------------|---------|-------|
|               |                | Males                | Females | Total |
|               |                |                      |         |       |
|               |                |                      |         |       |

Extension activities

| Thematic area | No. of activities | No. of beneficiaries |         |       |
|---------------|-------------------|----------------------|---------|-------|
|               |                   | Males                | Females | Total |
|               |                   |                      |         |       |
|               |                   |                      |         |       |

Detailed report should be provided in the circulated Performa

8.12. National Initiative on Fodder Technology Demonstration (NIFTD)



**(Applicable for KVKs identified under NIFTD)****NA**

| Name of the fodder crop | Date of sowing | Area (ha) | No. of farmers involved | Demonstration Yield (q/ha) |   |   | Check Yield |   |   | % increase |
|-------------------------|----------------|-----------|-------------------------|----------------------------|---|---|-------------|---|---|------------|
|                         |                |           |                         | H                          | L | A | H           | L | A |            |
|                         |                |           |                         |                            |   |   |             |   |   |            |
|                         |                |           |                         |                            |   |   |             |   |   |            |

**Economic of Demonstration**

| Name of the fodder crop | Demonstration Cost/Rs/ha |              |          | Check Cost (Rs/ha) |              |          |
|-------------------------|--------------------------|--------------|----------|--------------------|--------------|----------|
|                         | Gross cost               | Gross return | BC ratio | Gross cost         | Gross return | BC ratio |
|                         |                          |              |          |                    |              |          |
|                         |                          |              |          |                    |              |          |

8.13. Awards/Recognition received by the KVK

**NA**

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

**Award received by Farmers from the KVK district**

| Sl. No. | Name of the Award        | Name of the Farmer | Year | Conferring Authority | Amount | Purpose         |
|---------|--------------------------|--------------------|------|----------------------|--------|-----------------|
| 1.      | Progressive farmer award | Birendra Singh     | 2016 | BAU, Sabour          | -      | Seed Production |
| 2.      |                          |                    |      |                      |        |                 |