



Mob. - +91 9931635622

Email - [sitamarhikvk@rediffmail.com](mailto:sitamarhikvk@rediffmail.com)  
[sitamarhikvk@gmail.com](mailto:sitamarhikvk@gmail.com)

## KRISHI VIGYAN KENDRA SITAMARHI

(A UNIT OF INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI)

Vill+P.o- Balha Madhusudan Via.- Janakpur Road, Pupri, Sitamarhi, Bihar-843320



Ref. No./KVK/STR/2229

Dated: 11.02.2023

To,

The Director  
ICAR-Agricultural Technology Application Research Institute, Patna (Zone-IV)  
Garbhuchak, Jagdeopath, Patna- 800014, (Bihar)

**Sub:** Submission of Annual Action Plan 2023 of KVK, Sitamarhi - reg.

Respected Sir,

I am submitting herewith a detailed Annual Action Plan of KVK, Sitamarhi for the year 2023 in prescribed format for your kind consideration and necessary action.

Thanking you, with regards.

Yours faithfully,

(Ram Eshwar Prasad)  
Senior Scientist and Head

# **KRISHI VIGYAN KENDRA**

## **SITAMARHI**

**ANNUAL ACTION PLAN, 2023**



**SUBMITTED TO**

**The Director**

ICAR-Agricultural Technology Application Research Institute, Patna (Zone-IV)  
Garbhuchak, Jagdeopath, Patna- 800014, (Bihar)

# ACTION PLAN, 2023

## GENERAL INFORMATION ABOUT THE KVK

### Introduction:

| Address                                                                                                                | Telephone   |               | E mail                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------|-------------|---------------|--------------------------------------------------------------------------------------------------------|
|                                                                                                                        | Office      | Phone No.     |                                                                                                        |
| Krishi Vigyan Kendra Sitamarhi<br>Vill+P.O-Balha Madhusudan,<br>Via- Janakpur Road, Pupri,<br>Sitamarhi, Bihar- 843320 | 09931635622 | 06228- 291040 | sitamarhikvk@gmail.com<br><a href="mailto:sitamarhikvk@rediffmail.com">sitamarhikvk@rediffmail.com</a> |

### 1. Name of host organization :

| Address                                                                                             | Telephone   |               | E mail                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------|-------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                     | Office      | Phone No.     |                                                                                                                                                    |
| Samta Seva Kendra<br>Vill+P.O- Chainpura, Via-<br>Janakpur Road, Pupri, Sitamarhi,<br>Bihar- 843320 | 09430259635 | 06228- 291040 | <a href="mailto:sitamarhikvk@gmail.com">sitamarhikvk@gmail.com</a><br><a href="mailto:sitamarhikvk@rediffmail.com">sitamarhikvk@rediffmail.com</a> |

### 2. Staff Position

| Sl. No. | Sanctioned post             | Name of the incumbent    | Designation                     | Permanent /Temporary | Category (SC /ST/OBC/Others) |
|---------|-----------------------------|--------------------------|---------------------------------|----------------------|------------------------------|
| 1.      | Sr. Scientist & Head        | Dr. Ram Eshwar Prasad    | Sr. Scientist & Head            | Permanent            | OBC                          |
| 2.      | Subject Matter Specialist   | Vacant                   | S.M.S.                          | -                    | -                            |
| 3.      | Subject Matter Specialist   | Dr. Kinkar Kumar         | SMS                             | Permanent            | OBC                          |
| 4.      | Subject Matter Specialist   | Vacant                   | S.M.S.                          | -                    | -                            |
| 5.      | Subject Matter Specialist   | Mr. Sachchidanand Prasad | S.M.S.                          | Permanent            | OBC                          |
| 6.      | Subject Matter Specialist   | Mr. Manohar Panjkar      | S.M.S.                          | Permanent            | OBC                          |
| 7.      | Subject Matter Specialist   | Vacant                   | S.M.S.                          | -                    | -                            |
| 8.      | Programme Assistant         | Mr. Prakash Chandra      | Programme Assistant (Fisheries) | Permanent            | SC                           |
| 9.      | Computer Programmer         | Mr. Rakesh Kumar         | Programme Assistant (Computer)  | Permanent            | OBC                          |
| 10.     | Farm Manager                | Mr. Gunjesh Kumar Navin  | Farm Manager                    | Permanent            | OBC                          |
| 11.     | Accountant / Superintendent | Mr. Brij Bhushan Mishra  | Assistant                       | Permanent            | Others                       |
| 12.     | Stenographer                | Mr. Sikandar Roy         | Steno cum-                      | Permanent            | OBC                          |

|     |                  |                |                   |           |     |
|-----|------------------|----------------|-------------------|-----------|-----|
|     |                  |                | Computer Operator |           |     |
| 13. | Driver (Tractor) | Mr. Raju Kumar | Driver            | Permanent | OBC |
| 14. | Driver (Bolero)  | Mr. Ajay Kumar | Driver            | Permanent | OBC |
| 15. | Supporting staff | Vacant         | -                 | -         | -   |
| 16. | Supporting staff | Vacant         | -                 | -         | -   |

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

| S. No. | Item                      | Area (ha)    |
|--------|---------------------------|--------------|
| 1      | Under Buildings           | 2.00         |
| 2.     | Under Demonstration Units | 0.90         |
| 3.     | Under Crops               | 6.00         |
| 4.     | Orchard/Hi-Tech Nursery   | 4.00         |
| 5.     | Others with details       | -            |
|        | <b>Total</b>              | <b>12.90</b> |

**4. Major farming systems/enterprises (based on the analysis made by the KVK)**

| S. No | Farming system/enterprise                       |
|-------|-------------------------------------------------|
| 1.    | Paddy –wheat-fallow                             |
| 2.    | Sugar cane- wheat –sugarcane                    |
| 3.    | Maize –potato –wheat                            |
| 4.    | Animal husbandry based enterprise               |
| 5.    | Fisheries based enterprise                      |
| 6.    | Poultry based enterprises                       |
| 7.    | Orchard based enterprises                       |
| 8.    | Paddy-tomato/cauliflower/brinjal-okra           |
| 9.    | Paddy-tomato/cauliflower/brinjal- cucurbits     |
| 10.   | Green manure- Paddy – tomato/cauliflower – okra |
| 11.   | Green manure- Paddy – brinjal                   |
| 12.   | Green manure- Paddy – summer vegetable          |

## 5. About District

| DEMOGRAPHIC FEATURES             |           |
|----------------------------------|-----------|
| Area (in ha.)                    | 2,29,400  |
| No. of Sub-Division              | 03        |
| No. of Block                     | 17        |
| No. of Gram Panchayat            | 273       |
| No. of Village                   | 845       |
| Total Population                 | 34.2 lakh |
| Population Density (per sq. km.) | 1,491     |
| SC Population                    | 4.05 lakh |
| ST Population                    | 2,989     |
| Sex Ratio                        | 10:8      |
| Literacy rate                    | 52.05     |

## 6. Description of Agro-climatic Zone & major agro ecological situations (based on soil and Topography)

| S. No | Agro-climatic Zone                                  | Characteristics                       |                                |                  |
|-------|-----------------------------------------------------|---------------------------------------|--------------------------------|------------------|
| 01.   | Agro climatic zone (Planning Commission)            | Middle Gangetic Plain Region (IV)     |                                |                  |
|       | Agro climatic Zone (NARP)                           | North West Alluvial Plain Zone (BI-1) |                                |                  |
|       | Under the BARP Zone                                 | Zone – 1                              |                                |                  |
|       | Geographic coordinates of the district headquarters | Latitude<br>25°53'N & 26°27'S         | Longitude<br>85°40'E & 85°86'W | Altitude<br>56 m |

## 7. Agro ecological situation

| S. No | Agro ecological situation                                                                                                                                                                                                                                                                                        | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01.   | <p>District Sitamarhi comes under Eastern Plain, Hot subhumid (moist) Eco-Region (13.1)</p> <p>Topographically the district form the part of Bihar plains. It is almost completely leveled. The only diversities are fluvial action of the rivers. The district can be divided in to four natural divisions.</p> | <p><b>(A) Land lying between Bagmati and Lakhandei :-</b> The area is generally low lying and prone to floods. Paddy and wheat are the main crops in the area covering Runnisaidpur, Belsand, part</p> <p><b>(B) North-West region :-</b> The area is very low and always affected by flood in river Bagmati, part of Bathnah, riga Majorganj, Dumra block from part of this region.</p> <p><b>(C) Area lying between Adhwara group and lakhandei river :-</b> These are many chauris in this area. This area covers Bathnaha, sonbarsa, part of Parihar, part of sursand, Bajpatti, Nanpur and part of Pupri block.</p> <p><b>(D) Area lying between Adhwara and Nepal :-</b> This area is famous for Mango orchards and bamboo groowers. The fertility of this area is high, this region covers Sursand, Pupri and Parihar block.</p> |

## 8. Soil types

| S. No. | Soil Type              | Area ('000 ha) |
|--------|------------------------|----------------|
| 1.     | Sandy soils            | 13.887         |
| 2.     | Fine sandy loam soils  | 89.548         |
| 3.     | Clayey soils           | 51.995         |
| 4.     | Saline/calcareous soil | 52.835         |

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

| S. No | Crop         | Area (ha) | Production (q) | Productivity (q/ha) |
|-------|--------------|-----------|----------------|---------------------|
| 1.    | Paddy        | 71000     | 99,00,000      | 14.0                |
| 2.    | Wheat        | 20500     | 43,00,000      | 21.0                |
| 3     | Maize        | 8000      | 17,00,000      | 22.0                |
| 4     | Mustard      | 616       | 64,100         | 6.25                |
| 5     | Linseed      | 87        | 75,000         | 6.14                |
| 6     | Seasem (Til) | 42        | 360            | 8.54                |
| 7     | Litchi       | 600       | 15,30,000      | 25.5                |
| 8     | Banana       | 1000      | 26,50,000      | 26.5                |
| 9     | Mango        | 10,200    | 45,70,000      | 44.8                |
| 10    | Guava        | 500       | 5,70,000       | 11.4                |
| 11    | Vegetables   | 18,400    | 46,00,000      | 250                 |

## 10. Details of operational area / villages

| 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.      | Sitamarhi     | Bajpatti          | Pipradhi              | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables         |
| 2.      | Sitamarhi     | Bajpatti          | Loknathpur,           | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables         |
| 3.      | Sitamarhi     | Bathnaha          | Panthpakar, Brahmpuri | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables, fruits |
| 4.      | Pupri         | Sursand           | Malahi,               | Paddy, wheat, sugarcane, tomato,                                                       | Low productivity of cereals, vegetables                                                          | Production and                                              |

|     |           |              |                          |                                                                                        |                                                                                                  |                                                     |
|-----|-----------|--------------|--------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------|
|     |           |              | Sutihara                 | cauliflower, brinajl, potato, goatery, dairy, poultry                                  | micronutrient deficiency low production of milk and meat                                         | management of cereals and vegetables                |
| 5.  | Belsand   | Runnisaidpur | Mehsaul                  | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables |
| 6.  | Belsand   | Suppi        | Mohani Mandal, Sasaula   | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables |
| 7.  | Sitamarhi | Riga         | Chainpura, Ramnagra      | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables |
| 8.  | Pupri     | Pupri        | Madhubani                | Paddy, wheat, sugarcane, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production and management of cereals and vegetables |
| 9.  | Sitamarhi | Nanpur       | Manjhaur                 | Paddy, wheat, tomato, brinjal, cauliflower, potato                                     | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production & management of cereals and vegetable    |
| 10. | Belsand   | Mejarganj    | Dumarikala , dumri Khurd | Paddy, wheat, sugarcane, vegetable, fruits, cattle, poultry, dairy                     | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production & management of cereals and vegetable    |
| 11. | Pupri     | Bokhara      | Banaul, Okhra            | Paddy, wheat, vegetable, potato, cattle, poultry, dairy                                | Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat | Production & management of cereals and vegetable    |

|     |         |           |                   |                                                               |                                                                                                                 |                                                           |
|-----|---------|-----------|-------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 12. | Belsand | Parasauni | Andhra,<br>Muraul | Paddy, wheat,<br>vegetable, potato,<br>cattle, poultry, dairy | Low productivity of<br>cereals, vegetables<br>micronutrient<br>deficiency low<br>production of milk and<br>meat | Production &<br>management<br>of cereals and<br>vegetable |
|-----|---------|-----------|-------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|

#### 11. Priority thrust areas

| S. No | Thrust area                                                                                                       |
|-------|-------------------------------------------------------------------------------------------------------------------|
| 1.    | Introduced improved crop varieties and new technologies for Higher Productivity of Cereal, Pulses and Cash crops. |
| 2.    | Introduced Improved Varieties and intensive production technologies of Vegetables, Fruit Crops and flowers.       |
| 3.    | Introduced Resource Conservation Technologies.                                                                    |
| 4.    | Conservation of local crop varieties.                                                                             |
| 5.    | Management of shoot and fruit borer of vegetables and cereal crops.                                               |
| 6.    | Small scale mushroom production for rural youth.                                                                  |
| 7.    | Technology dissemination model for fisheries.                                                                     |
| 8.    | Introduced suitable Plant Protection Technology                                                                   |
| 9.    | Lack of quality fingerlings availability                                                                          |
| 10.   | Value addition in Vermicompost.                                                                                   |
| 11.   | Lack of improved breeds in animals and poor animal husbandry management practices                                 |
| 12.   | Malnutrition in rural youth.                                                                                      |

## 12. Training program to be organized in 2023

### (a) Farmers and farm women

| Thematic area   | Title of Training                               | No. | Duration | Venue On/Off | Tentative Date | No. of Participants |   |    |   |       |   |       |   |    |
|-----------------|-------------------------------------------------|-----|----------|--------------|----------------|---------------------|---|----|---|-------|---|-------|---|----|
|                 |                                                 |     |          |              |                | SC                  |   | ST |   | Other |   | Total |   |    |
|                 |                                                 |     |          |              |                | M                   | F | M  | F | M     | F | M     | F | T  |
| Crop Production | Weed management in Paddy                        | 01  | 01       | Off          | July           | 01                  | 1 | -  | - | 20    | 3 | 21    | 4 | 25 |
|                 | Weed management in Wheat                        | 01  | 01       | Off          | December       | 07                  | 1 | -  | - | 20    | 2 | 27    | 3 | 30 |
|                 | Package & practices RCT on techniques           | 02  | 02       | Off          | Aug. & Dec.    | 08                  | 2 | -  | - | 35    | 5 | 43    | 7 | 50 |
|                 | Importance of Integrated farming system         | 02  | 02       | Off          | May & August   | 08                  | 2 | -  | - | 35    | 5 | 43    | 7 | 50 |
|                 | Water management in Wheat                       | 01  | 01       | Off          | November       | 01                  | 1 | -  | - | 20    | 3 | 21    | 3 | 24 |
|                 | Water management in Pulses                      | 01  | 01       | Off          | October        | 01                  | 1 | -  | - | 20    | 3 | 21    | 4 | 25 |
|                 | Water management in Paddy                       | 01  | 01       | Off          | July           | 01                  | - | -  | - | 20    | 5 | 21    | 5 | 26 |
|                 | Package & Practices of seed production of Paddy | 01  | 01       | Off          | May            | 05                  | 2 | -  | - | 15    | 3 | 20    | 5 | 25 |
|                 | Package & practices of seed production of Wheat | 01  | 01       | Off          | October        | 03                  | - | -  | - | 20    | 2 | 23    | 2 | 25 |
|                 | Nursery management of Paddy                     | 02  | 02       | Off          | May            | 04                  | 1 | -  | - | 35    | 5 | 43    | 7 | 50 |
|                 | Integrated crop management                      | 02  | 02       | Off          | April & August | 04                  | 1 | -  | - | 40    | 5 | 44    | 6 | 50 |
|                 | Integrated crop management                      | 02  | 02       | On           | Feb. & July    | 04                  | 1 | -  | - | 40    | 5 | 44    | 6 | 50 |
|                 | Scientific cultivation of fodder production     | 01  | 05       | On           | September      | 03                  | 2 | -  | - | 18    | 2 | 21    | 4 | 25 |

|                                           |                                                       |    |    |     |                |    |   |   |   |    |    |    |    |    |
|-------------------------------------------|-------------------------------------------------------|----|----|-----|----------------|----|---|---|---|----|----|----|----|----|
| Horticulture<br>a)<br>Vegetables<br>crops | INM in Rabi Vegetables                                | 01 | 01 | Off | August         | 05 | 2 | - | - | 20 | 3  | 25 | 5  | 30 |
|                                           | INM in Summer Vegetables                              | 01 | 01 | Off | January        | 02 | 1 | - | - | 20 | 2  | 22 | 3  | 25 |
|                                           | Importance of water management in Summer Vegetables   | 01 | 01 | Off | January        | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                           | Application of micro nutrients in Vegetables          | 02 | 02 | Off | October        | 08 | 2 | - | - | 40 | 5  | 48 | 7  | 55 |
|                                           | Techniques of off season Vegetable cultivation        | 02 | 02 | Off | November       | 08 | 2 | - | - | 40 | 5  | 48 | 7  | 55 |
|                                           | Nursery raising techniques in Vegetables              | 03 | 03 | Off | Sep. & January | 03 | 2 | - | - | 60 | 10 | 63 | 12 | 75 |
|                                           | Skill development training on Mushroom production     | 02 | 10 | On  | Oct & March    | 04 | 1 | - | - | 20 | 25 | 24 | 26 | 50 |
|                                           | Skill development training on Vermicompost production | 02 | 10 | On  | April & August | 04 | 1 | - | - | 20 | 25 | 24 | 26 | 50 |
|                                           | Protected cultivation of Vegetables                   | 02 | 10 | On  | Dec & January  | 08 | 2 | - | - | 40 | 5  | 48 | 7  | 55 |
| b) Fruits                                 | Importance of training & pruning in Orchard           | 01 | 01 | Off | September      | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                           | Technique for layout of new Orchard                   | 01 | 01 | Off | April          | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                           | Management of young Orchard                           | 01 | 01 | Off | Sep.           | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                           | Importance of rejuvenation of old Orchard             | 01 | 01 | Off | August         | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                           | Role of micro irrigation system in Orchard            | 01 | 01 | Off | February       | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                           | Methods of plant                                      | 01 | 05 | On  | June           | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |

|                                    |                                                                         |    |    |     |           |    |   |   |   |    |    |    |    |    |
|------------------------------------|-------------------------------------------------------------------------|----|----|-----|-----------|----|---|---|---|----|----|----|----|----|
|                                    | propagation techniques                                                  |    |    |     |           |    |   |   |   |    |    |    |    |    |
| Soil Health & Fertility management | Importance of soil health for ideal production                          | 01 | 01 | Off | May       | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                    | Role of Bio fertilizer & foliar application of water in different crops | 01 | 01 | Off | June      | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                    | Importance the use of organic input in cultivation                      | 02 | 02 | Off | July      | 03 | 2 | - | - | 40 | 5  | 43 | 7  | 50 |
|                                    | Role of INM in different crops                                          | 02 | 02 | Off | July      | 06 | 2 | - | - | 60 | 2  | 66 | 4  | 70 |
|                                    | Role of INM in Vegetables                                               | 01 | 05 | On  | September | 02 | - | - | - | 15 | 3  | 17 | 3  | 20 |
|                                    | Methods of soil sampling & testing                                      | 02 | 10 | On  | May       | 03 | 2 | - | - | 40 | 5  | 43 | 7  | 50 |
| Live stock production & management | Importance of vaccination in livestock                                  | 01 | 01 | Off | May       | 02 | 1 | - | - | 25 | 2  | 27 | 3  | 30 |
|                                    | Control of heat stress in livestock                                     | 01 | 01 | Off | April     | 06 | 1 | - | - | 20 | 3  | 26 | 4  | 30 |
|                                    | Care and management of pregnant buffalo                                 | 01 | 01 | Off | June      | 03 | 2 | - | - | 20 | 5  | 23 | 7  | 30 |
|                                    | Clean milk production                                                   | 02 | 02 | Off | June      | 06 | 4 | - | - | 40 | 10 | 46 | 14 | 60 |
|                                    | Management of repeat breeding in cattle                                 | 02 | 02 | Off | June      | 06 | 4 | - | - | 40 | 10 | 46 | 14 | 60 |
|                                    | Vaccination scheduled in goat                                           | 02 | 02 | Off | July      | 06 | 4 | - | - | 40 | 10 | 46 | 14 | 60 |
|                                    | Retention of placenta-common problem                                    | 02 | 02 | Off | July      | 06 | 4 | - | - | 40 | 10 | 46 | 14 | 60 |

|                  |                                                                |    |    |     |                |    |   |   |   |     |    |     |    |     |
|------------------|----------------------------------------------------------------|----|----|-----|----------------|----|---|---|---|-----|----|-----|----|-----|
|                  | Scientific poultry production                                  | 02 | 02 | Off | August         | 06 | 4 | - | - | 40  | 10 | 46  | 14 | 60  |
|                  | Control of diarrhea and dysentery in calves                    | 04 | 04 | Off | August         | 12 | 8 | - | - | 80  | 20 | 92  | 28 | 120 |
|                  | Importance of mineral mixture, vitamin & iodine salt in cattle | 04 | 04 | Off | September      | 12 | 8 | - | - | 80  | 20 | 92  | 28 | 120 |
|                  | Role of uterine tonic in livestock                             | 02 | 02 | Off | September      | 06 | 4 | - | - | 40  | 10 | 46  | 14 | 60  |
| Plant Protection | IPM in Rice                                                    | 01 | 01 | Off | June           | 04 | 1 | - | - | 20  | 5  | 24  | 6  | 30  |
|                  | IPM in Wheat                                                   | 01 | 01 | Off | November       | 04 | 1 | - | - | 20  | 05 | 24  | 06 | 30  |
|                  | IPM in Tomato                                                  | 01 | 01 | Off | October        | 04 | 1 | - | - | 20  | 5  | 24  | 6  | 30  |
|                  | IPM in Brinjal                                                 | 01 | 01 | Off | September      | 04 | 1 | - | - | 20  | 5  | 24  | 6  | 30  |
|                  | IPM in Cucurbits                                               | 01 | 01 | Off | September      | 04 | 1 | - | - | 20  | 5  | 24  | 6  | 30  |
|                  | Importance of seed treatment                                   | 03 | 03 | Off | April & Sept.  | 12 | 3 | - | - | 60  | 15 | 72  | 18 | 90  |
|                  | Disease management in crops                                    | 01 | 01 | Off | May            | 04 | 1 | - | - | 20  | 5  | 24  | 6  | 30  |
|                  | Disease management in Vegetables                               | 01 | 01 | Off | June           | 04 | 1 | - | - | 20  | 5  | 24  | 6  | 30  |
|                  | Production techniques of bio pesticides                        | 01 | 05 | On  | November       | 03 | 2 | - | - | 20  | 5  | 23  | 7  | 30  |
| Fisheries        | Role of Integrated fish farming                                | 06 | 06 | Off | Jan. to June   | 08 | 2 | - | - | 100 | 40 | 108 | 42 | 150 |
|                  | Importance of Hatchery management                              | 06 | 06 | Off | Aug. to Dec.   | 08 | 2 | - | - | 100 | 40 | 108 | 42 | 150 |
|                  | Methods of fingerlings rearing                                 | 05 | 05 | Off | October to May | 08 | 2 | - | - | 90  | 25 | 98  | 27 | 125 |
|                  | Role & importance of Fish feed preparation                     | 06 | 06 | Off | June to March  | 25 | 5 | - | - | 135 | 15 | 150 | 20 | 170 |
|                  | Fish disease management                                        | 01 | 05 | On  | July           | 03 | 2 | - | - | 20  | 5  | 23  | 7  | 30  |
|                  | Importance of Hatchery management                              | 02 | 02 | On  | Feb. & March   | 08 | 2 | - | - | 45  | 5  | 53  | 7  | 60  |

|                                    |                                         |    |    |     |                  |     |   |   |   |    |   |    |   |    |
|------------------------------------|-----------------------------------------|----|----|-----|------------------|-----|---|---|---|----|---|----|---|----|
| Production of inputs at Site       | Vegetable seed production techniques    | 02 | 02 | Off | April & May      | 03  | 2 | - | - | 40 | 5 | 43 | 7 | 50 |
|                                    | Cereal seed production techniques       | 02 | 02 | Off | March & February | 03  | 2 | - | - | 40 | 5 | 43 | 7 | 50 |
|                                    | Oilseed production techniques           | 01 | 01 | Off | March            | 03  | 2 | - | - | 20 | 5 | 23 | 7 | 30 |
|                                    | Planting material production techniques | 02 | 02 | Off | June & July      | 03  | 2 | - | - | 40 | 5 | 43 | 7 | 50 |
|                                    | Method of Vermicompost production       | 02 | 10 | On  | Sept. & October  | 03  | 2 | - | - | 40 | 5 | 43 | 7 | 50 |
|                                    | Role of Balance fish feed               | 01 | 01 | Off | February         | 03  | 2 | - | - | 23 | 2 | 26 | 4 | 30 |
| Capacity Building & Group Dynamics | Importance of leadership development    | 02 | 02 | Off | January & August | 058 | 2 | - | - | 45 | 5 | 53 | 7 | 60 |
|                                    | Formation & management of SHGs          | 02 | 02 | Off | Feb. & September | 08  | 2 | - | - | 45 | 5 | 53 | 7 | 60 |

**(b) Rural youths**

| Thematic area        | Title of Training                                 | No. | Duration (days) | Venue On/Off | Tentative Date | No. of Participants |    |    |   |       |    |       |    |    |
|----------------------|---------------------------------------------------|-----|-----------------|--------------|----------------|---------------------|----|----|---|-------|----|-------|----|----|
|                      |                                                   |     |                 |              |                | SC                  |    | ST |   | Other |    | Total |    |    |
|                      |                                                   |     |                 |              |                | M                   | F  | M  | F | M     | F  | M     | F  | T  |
| Plant propagation    | Plant propagation technique                       | 02  | 05              | Off          | July & Aug.    | 05                  | 05 | -  | - | 20    | 20 | 25    | 25 | 50 |
| Mushroom production  | Mushroom production techniques                    | 02  | 10              | On           | October        | 05                  | 05 | -  | - | 20    | 20 | 25    | 25 | 50 |
| Integrated farming ` | Role of integrated farming for sustainable income | 02  | 02              | Off          | April & May    | 08                  | 02 | -  | - | 35    | 05 | 43    | 07 | 50 |
|                      | Application of integrated farming                 | 02  | 10              | On           | June & July    | 08                  | 02 | -  | - | 35    | 05 | 43    | 07 | 50 |
| Seed production      | Quality seed production                           | 02  | 10              | On           | May & October  | 08                  | 02 | -  | - | 30    | 10 | 38    | 12 | 50 |

|                                           |                                                                     |    |    |    |                 |    |    |   |   |    |    |    |    |    |
|-------------------------------------------|---------------------------------------------------------------------|----|----|----|-----------------|----|----|---|---|----|----|----|----|----|
|                                           | techniques                                                          |    |    |    |                 |    |    |   |   |    |    |    |    |    |
| Planting material production              | Methods of planting material production                             | 02 | 06 | On | July & August   | 08 | 02 | - | - | 30 | 10 | 38 | 12 | 50 |
| Vermiculture                              | Production techniques of Vermiculture                               | 02 | 06 | On | March & October | 08 | 02 | - | - | 30 | 10 | 38 | 12 | 50 |
| Protected cultivation of vegetables crops | Importance of protected cultivation of different vegetables         | 02 | 06 | On | Nov. & January  | 08 | 02 | - | - | 30 | 10 | 38 | 12 | 50 |
| Nursery management of Hort. Crops         | Techniques of Nursery management in different Hort. Crops           | 01 | 05 | On | September       | 03 | 02 | - | - | 20 | 05 | 23 | 07 | 30 |
| Training & pruning of Orchard             | Package & practices of training & pruning of different fruit plants | 01 | 05 | On | October         | 03 | 02 | - | - | 20 | 05 | 23 | 07 | 30 |
| Poultry production                        | Scientific methods of ideal poultry production                      | 02 | 06 | On | Sept. & October | 03 | 02 | - | - | 35 | 10 | 38 | 12 | 50 |
| Disease and feed management in cattle     | Package & practices of feed management                              | 01 | 05 | On | Sept. & October | 03 | 02 | - | - | 20 | 05 | 23 | 05 | 28 |
|                                           | Package & practices of disease management                           | 01 | 05 | On | Oct. & November | 04 | 02 | - | - | 20 | 06 | 28 | 04 | 32 |

**(c) Extension functionaries**

| Thrust area/<br>Thematic area | Title of Training       | No. | Duration | Venue On/Off | Tentative Date | No. of Participants |    |    |   |       |    |       |    |    |
|-------------------------------|-------------------------|-----|----------|--------------|----------------|---------------------|----|----|---|-------|----|-------|----|----|
|                               |                         |     |          |              |                | SC                  |    | ST |   | Other |    | Total |    |    |
|                               |                         |     |          |              |                | M                   | F  | M  | F | M     | F  | M     | F  | T  |
| Productivity enhancement      | Package & practices for | 01  | 01       | Off          | May            | 03                  | 02 | -  | - | 18    | 02 | 21    | 04 | 25 |

|                       |                                                      |    |    |     |              |    |    |   |   |    |    |    |    |    |
|-----------------------|------------------------------------------------------|----|----|-----|--------------|----|----|---|---|----|----|----|----|----|
| in field crops        | productivity enhancement in field crops              |    |    |     |              |    |    |   |   |    |    |    |    |    |
| IPM                   | Scientific application of IPM                        | 02 | 06 | On  | June & Sept. | 06 | 04 | - | - | 36 | 04 | 42 | 08 | 50 |
| INM                   | INM application of IPM                               | 02 | 06 | On  | June         | 06 | 04 | - | - | 36 | 04 | 42 | 08 | 50 |
| Rejuvenation          | Techniques of Rejuvenation of old and saline orchard | 02 | 02 | Off | October      | 06 | 04 | - | - | 36 | 04 | 42 | 08 | 50 |
| Protected cultivation | Importance of protected cultivation                  | 02 | 02 | Off | November     | 06 | 04 | - | - | 36 | 04 | 42 | 08 | 50 |
| Feed production       | Package & Practices of Live Stock feed production    | 01 | 01 | Off | June         | 03 | 02 | - | - | 18 | 02 | 21 | 04 | 25 |
| Organic inputs        | Production methods of organic inputs                 | 02 | 06 | On  | July         | 06 | 04 | - | - | 36 | 04 | 42 | 08 | 50 |

### Abstract of Training: Consolidated table (ON and OFF Campus)

#### Farmers and Farm women

| 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>I. Crop Production</b>          | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -  |
| Weed Management                    | 02             | 40                  | 05 | 45 | 08 | 02 | 10 | -  | - | - | 48          | 07 | 55 |
| Resource Conservation Technologies | 02             | 35                  | 05 | 40 | 08 | 02 | 10 |    |   |   | 43          | 07 | 50 |
| Cropping Systems                   | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -  |

| 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   |
| Crop Diversification                                  | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Integrated Farming                                    | 02             | 35                  | 05 | 40  | 08 | 02 | 10 | -  | - | - | 43          | 07 | 50  |
| Water management                                      | 03             | 60                  | 10 | 70  | 03 | 02 | 05 | -  | - | - | 63          | 12 | 75  |
| Seed production                                       | 02             | 35                  | 05 | 40  | 08 | 02 | 10 | -  | - | - | 43          | 07 | 50  |
| Nursery management                                    | 02             | 35                  | 05 | 40  | 08 | 02 | 10 | -  | - | - | 43          | 07 | 50  |
| Integrated Crop Management                            | 04             | 80                  | 10 | 90  | 08 | 02 | 10 | -  | - | - | 88          | 12 | 100 |
| Fodder production                                     | 01             | 18                  | 02 | 20  | 03 | 02 | 05 | -  | - | - | 21          | 04 | 25  |
| Production of organic inputs                          | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, (cultivation of crops )                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                                 | 18             | 338                 | 47 | 385 | 54 | 16 | 70 | -  | - | - | 392         | 63 | 455 |
| II. Horticulture                                      | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| a) Vegetable Crops                                    | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Integrated nutrient management                        | 02             | 40                  | 05 | 45  | 08 | 02 | 10 | -  | - | - | 48          | 07 | 55  |
| Water management                                      | 01             | 20                  | 05 | 25  | 03 | 02 | 05 | -  | - | - | 23          | 07 | 30  |
| Enterprise development                                | 02             | 40                  | 05 | 45  | 08 | 02 | 10 | -  | - | - | 48          | 07 | 55  |
| Skill development                                     | 04             | 40                  | 50 | 90  | 08 | 02 | 10 | -  | - | - | 48          | 52 | 100 |
| Yield increment                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production of low volume and high value crops         | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Off-season vegetables                                 | 02             | 40                  | 05 | 45  | 08 | 02 | 10 | -  | - | - | 48          | 07 | 55  |
| Nursery raising                                       | 03             | 60                  | 10 | 70  | 03 | 02 | 05 |    |   |   | 63          | 12 | 75  |
| Exotic vegetables like Broccoli                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Export potential vegetables                           | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Grading and standardization                           | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Protective cultivation (Green Houses, Shade Net etc.) | 02             | 40                  | 05 | 45  | 08 | 02 | 10 | -  | - | - | 48          | 07 | 55  |
| Others, if any (Cultivation of Vegetable)             | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                                 | 16             | 280                 | 85 | 365 | 46 | 14 | 60 | -  | - | - | 326         | 99 | 425 |
| b) Fruits                                             | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Training and Pruning                                  | 01             | 20                  | 05 | 25  | 03 | 02 | 05 |    |   |   | 23          | 07 | 30  |
| Layout and Management of Orchards                     | 01             | 20                  | 05 | 25  | 03 | 02 | 05 |    |   |   | 23          | 07 | 30  |
| Cultivation of Fruit                                  | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Management of young plants/orchards                   | 01             | 20                  | 05 | 25  | 03 | 02 | 05 | -  | - | - | 23          | 07 | 30  |
| Rejuvenation of old and saline orchards               | 01             | 20                  | 05 | 25  | 03 | 02 | 05 | -  | - | - | 23          | 07 | 30  |
| Export potential fruits                               | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Micro irrigation systems of                           | 01             | 20                  | 05 | 25  | 03 | 02 | 05 | -  | - | - | 23          | 07 | 30  |

| 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   |
| orchards                                    |                |                     |    |     |    |    |    |    |   |   |             |    |     |
| Plant propagation techniques                | 01             | 20                  | 05 | 25  | 03 | 02 | 05 | -  | - | - | 23          | 07 | 30  |
| Others, if any(INM)                         | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                       | 06             | 120                 | 30 | 150 | 18 | 12 | 30 | -  | - | - | 138         | 42 | 180 |
| c) Ornamental Plants                        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Nursery Management                          | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Management of potted plants                 | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Export potential of ornamental plants       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Propagation techniques of Ornamental Plants | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| d) Plantation crops                         | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production and Management technology        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Processing and value addition               | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| e) Tuber crops                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production and Management technology        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Processing and value addition               | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| f) Spices                                   | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production and Management technology        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Processing and value addition               | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| g) Medicinal and Aromatic Plants            | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Nursery management                          | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production and management technology        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Post harvest technology and value addition  | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| III. Soil Health and Fertility Management   | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |

| 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   |
| Soil fertility management                                            | 01             | 20                  | 05  | 25  | 03 | 02 | 05  | -  | - | - | 23          | 07  | 30  |
| Soil and Water Conservation                                          | 01             | 20                  | 05  | 25  | 03 | 02 | 05  | -  | - | - | 23          | 07  | 30  |
| Integrated Nutrient Management                                       | 03             | 75                  | 05  | 80  | 08 | 02 | 10  | -  | - | - | 83          | 07  | 90  |
| Production and use of organic inputs                                 | 02             | 40                  | 05  | 45  | 03 | 02 | 05  | -  | - | - | 43          | 07  | 50  |
| Management of Problematic soils                                      | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Micro nutrient deficiency in crops                                   | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Nutrient Use Efficiency                                              | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Soil and Water Testing                                               | 02             | 40                  | 05  | 45  | 03 | 02 | 05  | -  | - | - | 43          | 07  | 50  |
| Others, if any                                                       | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| TOTAL                                                                | 09             | 195                 | 25  | 220 | 20 | 10 | 30  | -  | - | - | 215         | 35  | 250 |
| IV. Livestock Production and Management                              | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Dairy Management                                                     | 02             | 45                  | 05  | 50  | 08 | 02 | 10  | -  | - | - | 53          | 07  | 60  |
| Poultry Management                                                   | 01             | 20                  | 05  | 25  | 03 | 02 | 05  | -  | - | - | 23          | 07  | 30  |
| Piggery Management                                                   | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Rabbit Management                                                    | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Disease Management                                                   | 10             | 200                 | 50  | 250 | 30 | 20 | 50  | -  | - | - | 230         | 70  | 300 |
| Feed management                                                      | 10             | 200                 | 50  | 250 | 30 | 20 | 50  | -  | - | - | 230         | 70  | 300 |
| Production of quality animal products                                | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Others, if any (Goat farming)                                        | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| TOTAL                                                                | 23             | 465                 | 110 | 575 | 71 | 44 | 115 | -  | - | - | 536         | 154 | 690 |
| V. Home Science/Women empowerment                                    | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Household food security by kitchen gardening and nutrition gardening | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Design and development of low/minimum cost diet                      | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Designing and development for high nutrient efficiency diet          | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Minimization of nutrient loss in processing                          | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Gender mainstreaming through SHGs                                    | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Storage loss minimization techniques                                 | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |

| 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   |
| Enterprise development                                      | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Value addition                                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Income generation activities for empowerment of rural Women | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Location specific drudgery reduction technologies           | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Rural Crafts                                                | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Capacity building                                           | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Women and child care                                        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| VI.Agril. Engineering                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Installation and maintenance of micro irrigation systems    | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Use of Plastics in farming practices                        | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production of small tools and implements                    | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Repair and maintenance of farm machinery and implements     | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Small scale processing and value addition                   | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Post Harvest Technology                                     | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| VII. Plant Protection                                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Integrated Pest Management                                  | 05             | 100                 | 25 | 125 | 20 | 05 | 25 | -  | - | - | 120         | 30 | 150 |
| Integrated Disease Management                               | 05             | 100                 | 25 | 125 | 20 | 05 | 25 | -  | - | - | 120         | 30 | 150 |
| Bio-control of pests and diseases                           | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production of bio control agents and bio pesticides         | 01             | 20                  | 05 | 25  | 03 | 02 | 05 |    |   |   | 23          | 07 | 30  |
| Others, if any                                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                                       | 11             | 220                 | 55 | 275 | 43 | 12 | 55 | -  | - | - | 263         | 67 | 330 |
| VIII. Fisheries                                             | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Integrated fish farming                                     | 06             | 100                 | 40 | 140 | 08 | 02 | 10 | -  | - | - | 108         | 42 | 150 |
| Carp breeding and hatchery management                       | 06             | 100                 | 40 | 140 | 08 | 02 | 10 | -  | - | - | 108         | 42 | 150 |
| Carp fry and fingerling rearing                             | 05             | 90                  | 25 | 115 | 08 | 02 | 10 | -  | - | - | 98          | 27 | 125 |

| 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   |
| Composite fish culture & fish disease                                                       | 01             | 20                  | 05  | 25  | 03 | 02 | 05 | -  | - | - | 23          | 07  | 30  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | 06             | 135                 | 15  | 150 | 25 | 05 | 30 | -  | - | - | 160         | 20  | 180 |
| Hatchery management and culture of freshwater prawn                                         | 02             | 45                  | 05  | 50  | 08 | 02 | 10 | -  | - | - | 53          | 07  | 60  |
| 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                                                                              | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| TOTAL                                                                                       | 26             | 690                 | 130 | 620 | 60 | 15 | 75 | -  | - | - | 550         | 145 | 695 |
| IX. Production of Inputs at site                                                            | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| Seed Production                                                                             | 05             | 100                 | 15  | 115 | 09 | 06 | 15 |    |   |   | 109         | 21  | 130 |
| Planting material production                                                                | 02             | 40                  | 05  | 45  | 03 | 02 | 05 |    |   |   | 43          | 07  | 50  |
| Bio-agents production                                                                       | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| Bio-pesticides production                                                                   | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| Bio-fertilizer production                                                                   | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| Vermi-compost production                                                                    | 02             | 40                  | 05  | 45  | 03 | 02 | 05 | -  | - | - | 43          | 07  | 50  |
| 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                                                                     | 01             | 23                  | 02  | 25  | 03 | 02 | 05 | -  | - | - | 26          | 04  | 30  |
| Others, if any                                                                              | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| TOTAL                                                                                       | 10             | 203                 | 27  | 230 | 18 | 12 | 30 | -  | - | - | 221         | 39  | 260 |
| X. Capacity Building and Group Dynamics                                                     | -              | -                   | -   | -   | -  | -  | -  | -  | - | - | -           | -   | -   |
| Leadership development                                                                      | 02             | 45                  | 05  | 50  | 08 | 02 | 10 | -  | - | - | 53          | 07  | 60  |
| Group dynamics                                                                              |                |                     |     |     |    |    |    | -  | - | - |             |     |     |

| 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   |
| Formation and Management of SHGs              | 02             | 45                  | 05 | 50  | 08 | 02 | 10 | -  | - | - | 53          | 07 | 60  |
| Mobilization of social capital                |                |                     |    |     |    |    |    |    |   |   |             |    |     |
| Entrepreneurial development of farmers/youths | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| WTO and IPR issues                            | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Others, if any                                | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                         | 04             | 90                  | 10 | 100 | 16 | 04 | 20 | -  | - | - | 106         | 14 | 120 |
| XI Agro-forestry                              | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Production technologies                       | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Nursery management                            | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| Integrated Farming Systems                    | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                         | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| XII. Others (Pl. Specify)                     | -              | -                   | -  | -   | -  | -  | -  | -  | - | - | -           | -  | -   |
| TOTAL                                         |                |                     |    |     |    |    |    |    |   |   |             |    |     |

### Rural youth

| 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                                     | 04             | 40                  | 40 | 80 | 10 | 10 | 20 | -  | - | - | 50          | 50 | 100 |
| Bee-keeping                                             | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Integrated farming                                      | 04             | 70                  | 10 | 80 | 15 | 05 | 20 | -  | - | - | 85          | 15 | 100 |
| Seed production                                         | 02             | 30                  | 10 | 40 | 08 | 02 | 10 | -  | - | - | 38          | 12 | 50  |
| Production of organic inputs                            | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Planting material production                            | 02             | 30                  | 10 | 40 | 08 | 02 | 10 | -  | - | - | 38          | 12 | 50  |
| Vermi-culture                                           | 02             | 30                  | 10 | 40 | 08 | 02 | 10 | -  | - | - | 38          | 12 | 50  |
| Sericulture                                             | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Protected cultivation of vegetable crops                | 02             | 30                  | 10 | 40 | 08 | 02 | 10 |    |   |   | 38          | 12 | 50  |
| Commercial fruit production                             | 02             | 15                  | 02 | 17 | 06 | 02 | 08 | -  | - | - | 21          | 04 | 25  |
| Repair and maintenance of farm machinery and implements | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Nursery                                                 | 01             | 20                  | 05 | 25 | 03 | 02 | 05 | -  | - | - | 23          | 07 | 30  |

| 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   |
| Management of Horticulture crops       |                |                     |     |     |    |    |     |    |   |   |             |     |     |
| Training and pruning of orchards       | 01             | 20                  | 05  | 25  | 03 | 02 | 05  | -  | - | - | 23          | 07  | 30  |
| Value addition                         | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Production of quality animal products  | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Dairying                               | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Sheep and goat rearing                 | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Quail farming                          | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Piggery                                | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Rabbit farming                         | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Poultry production                     | 02             | 35                  | 10  | 45  | 03 | 02 | 05  | -  | - | - | 38          | 12  | 50  |
| Ornamental fisheries                   | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Para vets                              | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Para extension workers                 | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Composite fish culture                 | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Freshwater prawn culture               | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Shrimp farming                         | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Pearl culture                          | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Cold water fisheries                   | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Fish harvest and processing technology | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Fry and fingerling rearing             | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Small scale processing                 | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Post Harvest Technology                | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Tailoring and Stitching                | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Rural Crafts                           | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Enterprise development                 | -              | -                   | -   | -   | -  | -  | -   | -  | - | - | -           | -   | -   |
| Others if any (Fish)                   | 02             | 15                  | 02  | 17  | 06 | 02 | 08  | -  | - | - | 21          | 04  | 25  |
| TOTAL                                  | 24             | 335                 | 114 | 449 | 78 | 33 | 111 | -  | - | - | 413         | 147 | 560 |

## 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   |
| Productivity enhancement in field crops               | 01             | 18                  | 02 | 20 | 03 | 02 | 05 | -  | - | - | 21          | 04 | 25  |
| Integrated Pest Management                            | 02             | 36                  | 04 | 40 | 06 | 04 | 10 | -  | - | - | 42          | 08 | 50  |
| Integrated Nutrient management                        | 04             | 72                  | 08 | 80 | 12 | 08 | 20 | -  | - | - | 84          | 16 | 100 |
| Rejuvenation of old orchards                          | 02             | 36                  | 04 | 40 | 06 | 04 | 10 | -  | - | - | 42          | 08 | 50  |
| Value addition                                        | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Protected cultivation technology                      | 02             | 36                  | 04 | 40 | 06 | 04 | 10 | -  | - | - | 42          | 08 | 50  |
| Formation and Management of SHGs                      | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Group Dynamics and farmers organization               | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Information networking among farmers                  | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Capacity building for ICT application                 | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Care and maintenance of farm machinery and implements | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| WTO and IPR issues                                    | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Management in farm animals                            | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Feed and fodder production for livestock              | 01             | 18                  | 02 | 20 | 03 | 02 | 05 | -  | - | - | 21          | 04 | 25  |
| Household food security                               | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |
| Women and Child care                                  | -              | -                   | -  | -  | -  | -  | -  | -  | - | - | -           | -  | -   |

|                                                |    |     |    |     |    |    |    |   |   |   |     |    |     |
|------------------------------------------------|----|-----|----|-----|----|----|----|---|---|---|-----|----|-----|
| Low cost and nutrient efficient diet designing | -  | -   | -  | -   | -  | -  | -  | - | - | - | -   | -  | -   |
| Production and use of organic inputs           | 02 | 36  | 04 | 40  | 06 | 04 | 10 | - | - | - | 42  | 08 | 50  |
| Gender mainstreaming through SHGs              | -  | -   | -  | -   | -  | -  | -  | - | - | - | -   | -  | -   |
| Crop intensification                           | -  | -   | -  | -   | -  | -  | -  | - | - | - | -   | -  | -   |
| Others if any (Fish)                           | 02 | 24  | 08 | 32  | 06 | 02 | 08 | - | - | - | 30  | 10 | 40  |
| <b>TOTAL</b>                                   | 16 | 276 | 36 | 312 | 48 | 30 | 78 | - | - | - | 324 | 66 | 390 |

### 13. Frontline demonstration to be conducted 2023

| Sl. No | Season | Crop         | Variety/Technology for demonstration                                                                        | Area (in ha/Unit) | No. of Demonstration |
|--------|--------|--------------|-------------------------------------------------------------------------------------------------------------|-------------------|----------------------|
| 1.     | Rabi   | Cauliflower  | Popularization of 50% RDF + Vermicompost 20 qt/ha + Soil application of PSB 5 kg/ha for good production     | 5                 | 20                   |
| 2.     | Rabi   | Tomato       | Popularization of Foliar spray of Boric Acid (0.1%) and Zinc sulphate (0.2%) for controlling fruit cracking | 5                 | 20                   |
| 3.     | Rabi   | Mushroom     | Popularization of Oyster, Button & Milky white                                                              | 50 unit           | 50                   |
| 4.     | Rabi   | Wheat        | Popularization of Rajendra Genhu- 2                                                                         | 4                 | 10                   |
| 5.     | Rabi   | Wheat        | Application of Potassium Nitrate 1% at anthesis stage in Wheat crop                                         | 4                 | 10                   |
| 6.     | Summer | Poultry      | Stressroak                                                                                                  | 1000 Birds        | 10                   |
| 7.     | Rabi   | Green fodder | Makkhan Grass                                                                                               | 1.0 ha            | 10                   |
| 8.     | Winter | Fisheries    | Popularization of Amur Carp                                                                                 | 5.0 ha            | 10                   |

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration                                 | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) |       |       | No. of farmers / demonstration |    |    |   |       |    |       |    |    |
|---------|------------------------------|--------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|---------------------------|-------|-------|--------------------------------|----|----|---|-------|----|-------|----|----|
|         |                              |                                |                                                                      |                                                         | Name of Inputs            | Demo  | Local | SC                             |    | ST |   | Other |    | Total |    |    |
|         |                              |                                |                                                                      |                                                         |                           |       |       | M                              | F  | M  | F | M     | F  | M     | F  | T  |
| 1.      | Litchi                       | 5                              | Popularization for application of Zinc, Boron & Planofix             | Percentage of fruit dropping & fruit cracking           | Zinc, Boon & Planofix     | 10000 | 3000  | 01                             | -  | -  | - | 07    | 02 | 08    | 02 | 10 |
| 2.      | Mango                        | 5                              | Popularization of NAA application in Mango to control Fruit dropping | Percentage of fruit dropping                            | Planofix                  | 3000  | -     | 01                             | -  | -  | - | 07    | 02 | 08    | 02 | 10 |
| 3.      | Mushroom                     | 50 unit                        | Popularization of Oyster, Button & Milky white                       | Yield                                                   | Spawn                     | 10000 | -     | 05                             | 02 | -  | - | 10    | 33 | 15    | 35 | 50 |
| 4.      | Paddy                        | 4.0 ha                         | Popularization of Swarna Sub-1                                       | Yield                                                   | Seed                      | 5000  | 4000  | 02                             | -  | -  | - | 08    | -  | 10    | -  | 10 |
| 5.      | Wheat                        | 2.0 ha                         | Popularization of HD – 3118                                          | Yield                                                   | Seed                      | 8000  | 7000  | 01                             | -  | -  | - | 09    | -  | 10    | -  | 10 |
| 6.      | Buffalo                      | 20                             | Uterine tonic                                                        | Milk production                                         | Himrop                    | 9500  | 4200  | 04                             | 01 | -  | - | 12    | 03 | 16    | 04 | 20 |
| 7.      | Green fodder                 | 1.0 ha                         | Makkhan Grass                                                        | Production                                              | Seed                      | 2500  | -     | 01                             | -  | -  | - | 08    | 01 | 09    | 01 | 10 |
| 8.      | Fisheries                    | 5.0 ha                         | Popularization of Amur Carp                                          | Enhance fish production by using of improved fish seed  | Amur Carp                 | 5000  | 3000  | 01                             | -  | -  | - | 09    | -  | 10    | -  | 10 |

### Extension and Training activities under FLD:

| Activity      | Title of Activity                                                     | No. | Clientele | Duration | Venue On/Off    | No. of Participants |    |    |   |       |    |       |    |    |
|---------------|-----------------------------------------------------------------------|-----|-----------|----------|-----------------|---------------------|----|----|---|-------|----|-------|----|----|
|               |                                                                       |     |           |          |                 | SC                  |    | ST |   | Other |    | Total |    |    |
|               |                                                                       |     |           |          |                 | M                   | F  | M  | F | M     | F  | M     | F  | T  |
| Field day     | Field day on nutrient & manure management                             | 02  | PF        | 2        | Off             | 06                  | 04 | -  | - | 40    | 10 | 46    | 14 | 60 |
| Kisan Gosthi  | Discussion on nutrient & manure management                            | 02  | PF        | 2        | Off             | 06                  | 04 | -  | - | 40    | 10 | 46    | 14 | 60 |
| Training      | Use of application of nutrients & NAA in Litchi                       | 01  | PF        | 1        | Off             | 05                  | 02 | -  | - | 28    | 05 | 33    | 07 | 40 |
|               | Application of NAA in Mango                                           | 01  | PF        | 1        | Off             | 03                  | 02 | -  | - | 18    | 02 | 21    | 04 | 25 |
|               | Popularization of high yielding var. of Tomato                        | 01  | PF        | 1        | Off             | 03                  | 02 | -  | - | 20    | 05 | 23    | 07 | 30 |
|               | Popularization of Oyster Mushroom                                     | 01  | RY        | 1        | Off             | 05                  | 05 | -  | - | 20    | 20 | 25    | 25 | 50 |
| Exposure      | Exposure of Rural Youth on Mushroom Production                        | 01  | RY        | 1        | Dr. RPCAU, Pusa | 05                  | 05 | -  | - | 20    | 20 | 25    | 25 | 50 |
| Group Meeting | Awareness for latest technology under Fruits, Vegetables and Mushroom | 01  | PF & RY   | 2        | On              | 05                  | 02 | -  | - | 18    | 05 | 23    | 07 | 30 |

\* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

**a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)**

| Name of the Crop / Enterprise | Variety/Type                                                  | Period<br>From April 2022 to March 2023 | Area (ha.) | Details of Production |                                |                      |                             |                           |
|-------------------------------|---------------------------------------------------------------|-----------------------------------------|------------|-----------------------|--------------------------------|----------------------|-----------------------------|---------------------------|
|                               |                                                               |                                         |            | Type of Produce       | Expected Production (quintals) | Cost of inputs (Rs.) | Expected Gross income (Rs.) | Expected Net Income (Rs.) |
| Mango                         | Maldah, Bombay, Deshari, Amrapali, Mallika, Jardalu, Hemsagar | All around year                         | 1.0        | Planting material     | 5000                           | 1,75,000             | 3,40,000                    | 1,65,000                  |
| Litchi                        | Sahi, China, Bombay                                           |                                         | 0.5        | Planting material     | 1000                           | 30,000               | 60,000                      | 30,000                    |
| Guava                         | L-49, Safeda, Lalit                                           |                                         | 0.5        |                       | 1000                           | 30,000               | 60,000                      | 30,000                    |
| Citrus                        | Kagzi                                                         |                                         | 0.5        |                       | 500                            | 15,00                | 30,000                      | 15,000                    |
| Tomato                        | Arka Ananya, Hemshekhar                                       | Rabi                                    | 500 sqm    | Seedling              | 1,00,000                       | 25,000               | 50,000                      | 25,000                    |
| Brinjal                       | Swarna Shakti, Swana Pratibha                                 | Rabi                                    | 500 sqm    | Seedling              | 50,000                         | 10,000               | 50,000                      | 25,000                    |
| Paddy                         | Rajendra Mansoori, Sweta, Rajsree                             | Kharif                                  | 6.0        | Seed                  | 250 qt.                        | 1,75,000             | 4,00,000                    | 2,25,000                  |
| Wheat                         | HD- 2967                                                      | Rabi                                    | 6.0        | Seed                  | 200 qt.                        | 2,40,000             | 5,00,000                    | 2,60,000                  |

**b) Village Seed Production Programme**

| Name of the Crop / Enterprise | Variety / Type    | Period<br>From April 2023 to March 2024 | Area (ha.) | No. of farmers | Details of Production |                        |                      |                             |                           |
|-------------------------------|-------------------|-----------------------------------------|------------|----------------|-----------------------|------------------------|----------------------|-----------------------------|---------------------------|
|                               |                   |                                         |            |                | Type of Produce       | Expected Production(q) | Cost of inputs (Rs.) | Expected Gross income (Rs.) | Expected Net Income (Rs.) |
| Paddy                         | Rajendra Mansoori | Kharif                                  | 5.0        | 30             | Truthful              | 200                    | 1,25,000.00          | 4,00,000.00                 | 2,75,000.00               |
| Wheat                         | HD -2967          | Rabi                                    | 4.0        | 20             | Truthful              | 130                    | 1,20,000.00          | 2,60,000.00                 | 1,40,000.00               |

#### 14. Extension Activities

| Sl. No.      | Activities/ Sub-activities              | No. of activities proposed | Total        |             |              |
|--------------|-----------------------------------------|----------------------------|--------------|-------------|--------------|
|              |                                         |                            | Male         | Female      | Total        |
| 1.           | Field Day                               | 80                         | 1200         | 800         | 2000         |
| 2.           | KisanMela                               | 01                         | 200          | 100         | 300          |
| 3.           | KisanGhosthi                            | 70                         | 1300         | 100         | 2300         |
| 4.           | Exhibition                              | 02                         | 100          | 30          | 130          |
| 5.           | Film Show                               | 02                         | 150          | 50          | 200          |
| 6.           | Method Demonstrations                   | -                          | -            | -           | -            |
| 7.           | Farmers Seminar                         | 01                         | 100          | 25          | 125          |
| 8.           | Workshop                                | 01                         | 125          | 25          | 150          |
| 9.           | Group meetings                          | 50                         | 400          | 200         | 600          |
| 10.          | Lectures delivered as resource persons  | 12                         | 600          | 150         | 750          |
| 11.          | Advisory Services                       | 50                         | 8000         | 2000        | 10000        |
| 12.          | Scientific visit to farmers field       | 10                         | 2000         | 1000        | 3000         |
| 13.          | Farmers visit to KVK                    | 10                         | 2500         | 500         | 3000         |
| 14.          | Diagnostic visits                       | 20                         | 1500         | 300         | 1800         |
| 15.          | Exposure visits                         | 03                         | 100          | 50          | 150          |
| 16.          | Ex-trainees Sammelan                    | 01                         | 100          | 50          | 150          |
| 17.          | Soil health Camp                        | 01                         | 200          | 60          | 260          |
| 18.          | Animal Health Camp                      | 02                         | 150          | 100         | 250          |
| 19.          | Agri mobile clinic                      | -                          | -            | -           | -            |
| 20.          | Soil test campaigns                     | 01                         | 100          | 50          | 150          |
| 21.          | Farm Science Club Conveners meet        | 02                         | 40           | 20          | 60           |
| 22.          | Self Help Group Conveners meetings      | 10                         | 250          | 50          | 300          |
| 23.          | MahilaMandals Conveners meetings        | 02                         | -            | 100         | 100          |
| 24.          | Celebration of important days (specify) | 10                         | 500          | 100         | 600          |
| 25.          | Sankalp Se Siddhi                       | 02                         | 100          | 50          | 150          |
| 26.          | Swatchta Hi Sewa                        | 05                         | 250          | 50          | 300          |
| 27.          | Mahila Kisan Diwas                      | 01                         | -            | 150         | 150          |
| 28.          | Any Other (Specify)                     | -                          | -            | -           | -            |
| <b>Total</b> |                                         | <b>349</b>                 | <b>19965</b> | <b>6110</b> | <b>26075</b> |

**15. Revolving Fund (in Rs.)**

| <b>Opening balance of<br/>2022-2023 (As on 01.04.2022) (Rs)</b> | <b>Amount proposed to be<br/>invested during 2023-24 (Rs.)</b> | <b>Expected Return (Rs.)</b> |
|-----------------------------------------------------------------|----------------------------------------------------------------|------------------------------|
| 13,89,340.74                                                    | 7,00,000.00                                                    | 15,00,000.00                 |

**16. Expected fund from other sources and its proposed utilization**

| <b>Project</b>                                                                | <b>Source</b>     | <b>Amount to be received (Rs.)</b> |
|-------------------------------------------------------------------------------|-------------------|------------------------------------|
| Training                                                                      | ATMA, Sitamarhi   | 50,000.00                          |
| Exposure                                                                      | ATMA, Sitamarhi   | 1,00,000.00                        |
| Demonstration                                                                 | ATMA, Sitamarhi   | 50,000.00                          |
| Short term research                                                           | ATMA, Sitamarhi   | 50,000.00                          |
| Farmers Scientist Interaction                                                 | ATMA, Sitamarhi   | 50,000.00                          |
| Skill development programme                                                   | BAMETI, Patna     | 24,00,000.00                       |
| Pilot project on Encouraging<br>Rural Youth in Agriculture &<br>Allied sector | NABARD, Sitamarhi | 1,92,00,000.00                     |
| Demonstration on farmers field<br>under latest technology                     | NABARD, Sitamarhi | 18,00,000.00                       |

## 17. On-farm trials to be conducted\*

ON FARM TRIAL, 2023

### OFT – 1 (Horticulture)

|                                                            |   |                                                                                                                     |
|------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------|
| Season                                                     | : | 2023                                                                                                                |
| Title                                                      | : | Assessment of Biomass mulching in Litchi                                                                            |
| Problem diagnose                                           | : | Higher use of water due to evaporation and leaching                                                                 |
| Details of technologies selected for assessment/refinement | : | <b>Farmers practice</b> : No mulching/Litter fall of trees                                                          |
|                                                            | : | <b>TO-1</b> : Taphrosia 1 kg dry biomass/m <sup>2</sup> s canopy (Plant Spread)                                     |
|                                                            | : | <b>TO-2</b> : Grass/Paddy straw/Any Local available mulching 15 cm thick (Plant spread) + Greece band 30 cm from GL |
| Source of technology                                       | : | BAU, Sabour                                                                                                         |
| Replication                                                | : | 5                                                                                                                   |
| Unit cost                                                  |   | Rs. 10000 approx                                                                                                    |
| Total cost                                                 |   | Rs. 50000 approx                                                                                                    |
| Production system and thematic area                        | : | -                                                                                                                   |
| Performance of technology with performance indicator       | : | i) No. of irrigation<br>ii) Production<br>iii) BCR                                                                  |
| process of farmers participation & their reaction          | : | i) Group meeting<br>ii) Training                                                                                    |

## OFT – 2 (Horticulture)

|                                                            |   |                                                                             |
|------------------------------------------------------------|---|-----------------------------------------------------------------------------|
| <b>Season</b>                                              | : | <b>Rabi 2023</b>                                                            |
| <b>Title</b>                                               | : | <b>Assessment of microbial consortia against wilting in Brinjal</b>         |
| Problem diagnose                                           | : | Low production of Brinjal due to wilt infestation                           |
| Details of technologies selected for assessment/refinement | : | <b>Farmers practice :</b> Chemical Pesticides                               |
|                                                            |   | <b>TO-1 :</b> IIHR Consortia (Araka Microbial Consortia)                    |
|                                                            |   | <b>TO-2 :</b> NRC Litchi Consortia                                          |
| Source of technology                                       | : | BAU, Sabour, Bhagalpur                                                      |
| Replication                                                | : | 5                                                                           |
| Plot Size                                                  | : | 800 sqm                                                                     |
| Unit cost                                                  |   | Rs. 2500 approx                                                             |
| Total cost                                                 |   | Rs. 12500 approx                                                            |
| Production system and thematic area                        | : | Paddy- Brinjal, Disease management                                          |
| Performance of technology with performance indicator       | : | iv) Percentage of wilting<br>v) Average fruit size<br>vi) Yield<br>vii) BCR |
| process of farmers participation & their reaction          | : | iii) Group meeting<br>iv) Training                                          |

### OFT – 3 (Agronomy)

|                                   |   |                                                                                                                                                                                                                                      |
|-----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop/Enterprise                   | : | Paddy                                                                                                                                                                                                                                |
| Title                             | : | <b>Improvement of Nitrogen use efficiency in rice.</b>                                                                                                                                                                               |
| Problem diagnose                  | : | Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation                                                                                                                            |
| Farming situation                 | : | Irrigated                                                                                                                                                                                                                            |
| Production system & thematic area | : | Paddy- Wheat                                                                                                                                                                                                                         |
| Year of commencement              | : | 2023-24                                                                                                                                                                                                                              |
| Experimental details              | : | <b>Farmers practice</b> : RDF (100:40:20) Kg/ha                                                                                                                                                                                      |
|                                   | : | <b>TO-1</b> : 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage).                                                                                                                                 |
|                                   | : | <b>TO-2:</b> 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.                                                                                                                       |
| Source of technology              | : | OFT Finalization committee, BAU, Sabour                                                                                                                                                                                              |
| Critical inputs                   | : | Seed, Nano Uria, Fertilizer & Labour                                                                                                                                                                                                 |
| Observation to be taken           | : | Plot size (10x10 m <sup>2</sup> )/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/m <sup>2</sup> , 1000 grain weight, Panicle weight, Grain and Straw yield and Economics |
| No. of Farmers                    | : | 07                                                                                                                                                                                                                                   |
| Area (in ha)                      | : | 0.25                                                                                                                                                                                                                                 |

#### OFT – 4 (Agronomy)

|                                   |   |                                                                                                                                                                                             |
|-----------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop/Enterprise                   | : | Wheat                                                                                                                                                                                       |
| Title                             | : | <b>Improvement of Nitrogen use efficiency in wheat.</b>                                                                                                                                     |
| Problem diagnose                  | : | Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation                                                                                   |
| Farming situation                 | : | Irrigated                                                                                                                                                                                   |
| Production system & thematic area | : | Paddy – wheat                                                                                                                                                                               |
| Year of commencement              | : | 2023-24                                                                                                                                                                                     |
| Experimental details              | : | <b>Farmers Practice:</b> RDF (100:40:20) Kg/ha                                                                                                                                              |
|                                   | : | <b>T. O- 1:</b> 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS).                                                                                                   |
|                                   | : | <b>T. O- 2:</b> 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt. water.                                                                                   |
| Source of technology              | : | OFT Finalization committee, BAU, Sabour                                                                                                                                                     |
| Critical inputs                   | : | Seed, Nano Uria, Fertilizer & Labour                                                                                                                                                        |
| Observation to be taken           | : | Plot size (10x10 m2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m2,1000 grain wt., Panicle wt., Straw yield and Economics. |
| No. of Farmers                    | : | 07                                                                                                                                                                                          |
| Area (in ha)                      | : | 0.25                                                                                                                                                                                        |

### OFT – 5 (Agronomy)

|                                   |   |                                                                                                                                                                                                                |
|-----------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop/Enterprise                   | : | Cropping system                                                                                                                                                                                                |
| Title                             | : | Diversification of rice-based cropping systems.                                                                                                                                                                |
| Problem diagnose                  | : | Low profitability of existing cropping system.                                                                                                                                                                 |
| Farming situation                 | : | Irrigated                                                                                                                                                                                                      |
| Production system & thematic area | : | Paddy – wheat –Green gram                                                                                                                                                                                      |
| Year of commencement              | : | 2023-24                                                                                                                                                                                                        |
| Experimental details              | : | <b>Farmers Practice:</b> Rice – Wheat (prominent cropping system of district)                                                                                                                                  |
|                                   | : | <b>T. O- 1:</b> Rice- Maize + Potato                                                                                                                                                                           |
|                                   | : | <b>T. O- 2:</b> Rice-Maize + Vegetable Pea                                                                                                                                                                     |
|                                   | : | <b>T. O- 3:</b> Rice-wheat –Green gram.                                                                                                                                                                        |
| Source of technology              | : | OFT Finalization committee, BAU, Sabour                                                                                                                                                                        |
| Critical inputs                   | : | Seed & Labour                                                                                                                                                                                                  |
| Observation to be taken           | : | Plot size (10x10 m <sup>2</sup> )/ in each tech option line sowing, soil data before and after (pH, EC, OC, NPK,), rice equivalent yield qt/ha of all crops, sole crop and intercropping, cost of cultivation. |
| No. of Farmers                    | : | 07                                                                                                                                                                                                             |
| Area (in ha)                      | : | 0.30                                                                                                                                                                                                           |

### OFT – 6 (Animal Science)

|                                   |   |                                                                                                                                                  |
|-----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Crop/Enterprise                   | : | Cattle                                                                                                                                           |
| Title                             | : | Assessment the efficacy of different drug combination against Mastitis in cattle                                                                 |
| Problem diagnose                  | : | Low milk production due to infection of teat                                                                                                     |
| Farming situation                 | : | Integrated crop livestock farming system                                                                                                         |
| Production system & thematic area | : | Live stock production and Management                                                                                                             |
| Year of commencement              | : | 2023-24                                                                                                                                          |
| Experimental details              | : | <b>Farmer practices</b> : Topical herbal gel used                                                                                                |
|                                   | : | <b>T.O-1</b> : Intramammary infusion (Mammitel 10 gm for 3 days) +topical herbal gel                                                             |
|                                   | : | <b>T.O-2:-</b> Parentral antibiotic (Amoxycillin+Sulbactum @ of 3gm. I/M for 3 days + Intramammary infusion (Memmitel 10 gm for 3 days)+Mastilep |
| Source of technology              | : | WBUAFS, Kolkata                                                                                                                                  |
| Critical inputs                   | : | Topical herbal gel, Mammitel & Antibiotic                                                                                                        |
| Observation to be taken           | : | i) Technical : Udder health                                                                                                                      |
|                                   | : | ii) Economics : Milk production                                                                                                                  |
| No. of Buffalo                    | : | 10                                                                                                                                               |

### OFT – 7 (Animal Science)

|                                   |   |                                                                                                                                     |
|-----------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------|
| Crop/Enterprise                   | : | Buffalo                                                                                                                             |
| Title                             | : | Assessment of productive and reproductive performance of Buffalo                                                                    |
| Problem diagnose                  | : | Poor milk production and conception rate                                                                                            |
| Farming situation                 | : | Integrated farming system                                                                                                           |
| Production system & thematic area | : | Feed management                                                                                                                     |
| Year of commencement              | : | 2023-24                                                                                                                             |
| Experimental details              | : | <b>Farmer practices</b> : Only grazing + concentrate mixture feeding                                                                |
|                                   | : | <b>TO-1</b> : FP + Deworming (Triclabendazole @ 7.5 mg/kg body weight and Albendazole @ 10 mg/kg body weight after 15 days interval |
|                                   | : | <b>TO-2</b> : FP + TO-1 + Vitamine and mineral supplementation CRS @ 35 gram/day for 90 days                                        |
| Source of technology              | : | WBUAFS, Kolkat                                                                                                                      |
| Critical inputs                   | : | Triclabendazole , Albendazole and CRS                                                                                               |
| Observation to be taken           | : | i) Technical : Feed intake                                                                                                          |
|                                   | : | ii) Economics : Milk production                                                                                                     |
| No. of Buffalo                    | : | 24                                                                                                                                  |

**18. List of Projects to be implemented by funding from other sources (other than KVK fund)**

| Sl. No. | Name of the Project                             | Source                                  | Amount to be received<br>(Rs. in lakh) |
|---------|-------------------------------------------------|-----------------------------------------|----------------------------------------|
| 1.      | Training                                        | ATMA, Sitamarhi                         | 50,000.00                              |
| 2.      | Training                                        | District Horticulture Office, Sitamarhi | 50,000.00                              |
| 3.      | Demonstration                                   | ATMA, Sitamarhi                         | 50,000.00                              |
| 4.      | Short term research                             | ATMA, Sitamarhi                         | 50,000.00                              |
| 5.      | Farmers Scientist<br>Interaction                | ATMA, Sitamarhi                         | 50,000.00                              |
| 6.      | Skill development<br>programme                  | BAMETI, Patna                           | 24,00,000.00                           |
| 7.      | Spawn production unit                           | District Collector Office, Sitamarhi    | 60,00,000.00                           |
| 8.      | Pilot project for increasing<br>the Rural Youth | NABARD, Sitamarhi                       | 1,94,00,000.00                         |

**19. No. of success stories proposed to be developed with their tentative titles – 05**

**20. Scientific Advisory Committee :**

| Date of SAC meeting held during 2022-23 | Proposed date during 2023-24 |
|-----------------------------------------|------------------------------|
| 07.01.2022 and 10.11.2022               | 13.09.2023 and 12.01.2024    |

**21. Soil and water testing**

| Details                | No. of Samples | No. of Farmers |    |    |   |       |     |       |     |      | No. of Villages | No. of SHC distributed |
|------------------------|----------------|----------------|----|----|---|-------|-----|-------|-----|------|-----------------|------------------------|
|                        |                | SC             |    | ST |   | Other |     | Total |     |      |                 |                        |
|                        |                | M              | F  | M  | F | M     | F   | M     | F   | T    |                 |                        |
| Soil Samples           | 1500           | 30             | 20 | -  | - | 1300  | 150 | 1330  | 170 | 1500 | 100             | 1500                   |
| Water Samples          | -              | -              | -  | -  | - | -     | -   | -     | -   | -    | -               | -                      |
| Other (Please specify) | -              | -              | -  | -  | - | -     | -   | -     | -   | -    | -               | -                      |
| Total                  | 1500           | 30             | 20 | -  | - | 1300  | 150 | 1330  | 170 | 1500 | 100             | 1500                   |

## 22. Fund requirement and expenditure (Rs.)\*

| Head                                                                                                                                                                                    | Expenditure (last year)<br>(Rs.) up to 31.12.2022 | Expected fund<br>requirement (Rs.) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------|
| <b><u>Recurring items</u></b>                                                                                                                                                           |                                                   |                                    |
|                                                                                                                                                                                         |                                                   | 1,50,00,000.00                     |
| <b>1. PAY &amp; ALLOWANCE</b>                                                                                                                                                           | 1,02,77,944.00                                    |                                    |
| <b>2. TRAVELLING ALLOWANCE</b>                                                                                                                                                          | 75,000.00                                         | 1,25,000.00                        |
| <b>3. HRD</b>                                                                                                                                                                           | 15,000.00                                         | 30,000.00                          |
| <b>3. CONTINGENCIES</b><br>Stationary, Telephone,<br>Postage & other expenditure<br>on office running.<br>b) POLs, repair of vehicle,<br>tractor & Equipment                            | 2,80,372.00                                       | 3,50,000.00                        |
| c) Vocational Training,<br>training of rural youth<br>(iii) Meals, refreshment for<br>trainees, Farmers Training<br>(ii) Training Material<br>(iii) Training of Extension Functionaries | 2,24,903.00                                       | 3,00,000.00                        |
| d) Front line demonstration<br>Accept oil seeds & pulses.                                                                                                                               | 84,750.00                                         | 1,25,000.00                        |
| e) On farm testing                                                                                                                                                                      | 58,921.00                                         | 75,000.00                          |
| f) Training of extension<br>functionaries                                                                                                                                               |                                                   |                                    |
| g) Library Maintenance of<br>building                                                                                                                                                   |                                                   |                                    |
| h) Revolving Fund                                                                                                                                                                       |                                                   |                                    |
| i) Soil & Water Testing lab, Contig.                                                                                                                                                    |                                                   |                                    |
| J) Maintenance of Building                                                                                                                                                              | 10,000.00                                         | 1,00,000.00                        |
| k) Sc/Sp contingencies                                                                                                                                                                  | 2,25,000.00                                       | 4,50,000.00                        |
| k) Extension Activities / Exhibition, Kisan Mela Etc.                                                                                                                                   | 27,000.00                                         | 1,00,000.00                        |
| <b>4. MAINTENANCE OF BUILDING</b>                                                                                                                                                       |                                                   |                                    |
| <b>5. TRIBAL SUB PLAN</b>                                                                                                                                                               |                                                   |                                    |
| <b>TOTAL (A)</b>                                                                                                                                                                        |                                                   |                                    |
| <b><u>Non Recurring Item</u></b>                                                                                                                                                        |                                                   |                                    |
| i) Tractor                                                                                                                                                                              |                                                   |                                    |
| ii) Micro irrigation                                                                                                                                                                    |                                                   |                                    |
| (iii) Renovation work                                                                                                                                                                   |                                                   |                                    |
| (iv) furniture                                                                                                                                                                          |                                                   |                                    |
| (v) SC/SP Capital                                                                                                                                                                       | 4,22,500.00                                       | 7,00,000.00                        |
| <b>TOTAL (B)</b>                                                                                                                                                                        |                                                   |                                    |
| <b>GRANT TOTAL (A+B)</b>                                                                                                                                                                | <b>1,17,01,390.00</b>                             | <b>1,73,55,000.00</b>              |

\* Any additional requirement may be suitably justified.

**23. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data**

| Sl. No. | Name of the Technology                                                          | Brief Details of Technology (3-5 bullet points)                                                                                                            | Net Return to the farmer (Rs.) per annum due to the technology | No. of farmers adopted the technology in the district | One high resolution 'Photo' in 'jpg' format for each technology                       |
|---------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.      | Application of Acctamid to control leaf curl in Tomato                          | i) Infestation of leaf curl in Tomato was found only 5-10%<br>ii) Production was observed ave. 425q/ha<br>iii) B.C ratio 3.05                              | Rs.<br>1,25,500/ha/annum                                       | Approx 6,000 farmers                                  |    |
| 2.      | Application of Boron in Cauliflower                                             | i) Pod column was found attractive<br>ii) Price of Cauliflower 2 times more<br>iii) B.C ratio-1.62                                                         | Rs.<br>75,000/ha/annum                                         | Approx 3,000 farmers                                  |    |
| 3.      | Application of staking system in Tomato                                         | i) No. of fruits was found two times more than traditional method<br>ii) Quality of fruit was found better<br>iii) Market rate of Tomato was found 2 times | Rs.<br>1,32,300/ha/annum                                       | Approx 2000 farmers                                   |   |
| 4.      | Popularization of Oyster Mushroom cultivation                                   | i) Additional source of income<br>ii) Improvement of Health Status<br>iii) Good employment opportunities among women                                       | Rs.<br>60,000/ha/annum                                         | Approx 2000 farmers                                   |  |
| 5.      | Cultivation of bacterial wilt resistant varieties of Brinjal- Var. Swarn Shakti | i) Oly 15% wilt infestation was found in Swarn Shakti<br>ii) 65q/ha yield increased average farmers production<br>iii) B.C ratio- 2.95                     | Rs.<br>65,500/ha/annum                                         | Approx 5,000 farmers                                  |  |

|     |                                                                                                                             |                                                                                                                                                                                                                       |                                                  |                |                                                                                       |
|-----|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------|---------------------------------------------------------------------------------------|
| 6.  | Uses of concentrate mineral mixture & Vitamin supplement for increasing the body weight in goat.                            | i) 4 kg body weight increased by using of selected technologies in compare with farmers practices.<br>ii) B.C ratio 2.81 found in selected technologies.<br>iii) Healthy progeny produced by using this technologies. | Rs. 16,000/annum @ 10 goat                       | 1100 (approx.) |     |
| 7.  | Application of Amoxycillin + sulbactam @ of 3 gm I/M for 3 days + use of Mastilep gel for controlling mastitis in milch Cow | i) By using this technology 100% control of mastitis observed in farmers practices only 30% result observed.<br>ii) 630 liter milk production increased over farmer practice during lactation period each Cow.        | Rs. 20,160/annum/ Milch Cow                      | 2200 (approx.) |    |
| 8.  | Application of Iron bolus (Feritas) in milch Buffalo                                                                        | i) Enhance the nutrient level in body of milch Cattle.<br>ii) 16.75% milk production increased over farmers practices<br>iii) 280 liter milk production increased in each Buffalo                                     | Rs. 8,960/cattle/annum                           | 4300 (approx.) |   |
| 9.  | Use of 35 gm Mineral mixture and vitamin supplement in Buffalo for enhancing milk production.                               | i) By using this technology 3.5 lit./day milk production increased and reproductive performance enhanced.<br>ii) 30% conception rate increased in selected technology over the farmers practices                      | Rs. 25,725/cattle/ lactation                     | 5000 (approx.) |  |
| 11. | Application of Anti stress @ 10 ml/100 bird.                                                                                | i) 12% body weight gain in boiler poultry with compare to local check.<br>ii) Mortality and morbidity rate decreased.<br>iii) 7830 Rs. Income increased over farmer practices with capacity of 5000 boiler poultry.   | Rs. 46,980/farmer/ annum with 5000 bird capacity | 300 (approx.)  |  |

|     |                                                                                    |                                                                                                                                                                                                                                                                                                              |                         |                  |                                                                                       |
|-----|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------|---------------------------------------------------------------------------------------|
| 12. | Application of lime@ 200kg / ha. in fish pond for enhancing fish productivity.     | i)Application of lime in fish pond @ 200kg/ha if water pH is 7.<br>ii)It improve water pH & increase alkalinity.<br>iii)Control fish parasites & diseases.<br>iv)It reduces turbidity in this reason increase fish production.<br>v)Production were 19 qt./ha in demonstration pond and 11.55 qt/ha in check | Rs.<br>82,960/ha/annum  | 150 (approx.)    |     |
| 13. | Cultivation of variety HD-2967 in timely sown condition                            | i)No. of tillers/m <sup>2</sup> at harvesting stage was obtained in HD- 2967 variety (285) compare to farmers practices UP-262 variety (208)<br>ii)8 q/ha increasing over the farmers practise<br>iii)B.C ratio was 2.40 of HD-2967 variety                                                                  | Rs. 40,000/ha           | 50,000 (approx.) |    |
| 14. | Cultivation of wheat variety HI- 1563 by Zero tillage method.                      | i)Under line sowing method of establishment we get more productivity per ha. Of Wheat while farm zero tillage technique we get more profitability due to low cost of cultivation in comparison to line sowing method.<br>ii)B.C ratio was 2.44 in zero tillage and B.C ratio was highest in Hi- 1563 (2.48)  | Rs. 33,700/ha           | 20000 (approx.)  |   |
| 15. | Cultivation of variety Swarna Sub -1 of paddy under sub merge condition.           | i)No. of tillers/m <sup>2</sup> at harvest was manimum in Swarna Sub-1 (550) compare to farmers practice Katma variety (250)<br>ii)Rs. 31200/ha net return increasing over the farmer practices<br>iii)B.C ratio was 2.33 of Swarna Sub-1                                                                    | Rs.<br>32,670/ha/annum  | 30000 (approx.)  |  |
| 16. | Application of Pendimethalin + Imazethapyr herbicide for weed management in lentil | i)No. of weed at maturity was found 10 in pendimethalin 1 lit/ha + Imazathapyr 40 gm/ha compare to farmer practices no weed (42)<br>ii)Rs. 11770/ha net return increasing over the farmer practices<br>iii)B.C ratio was 2.11 of Pendimethalin + Imazethapyr                                                 | Rs. 26,5<br>20/ha/annum | 2000 (approx.)   |  |