

# ANNUAL REPORT

(January 2022 to December 2022)

*Submitted to*  
**ICAR- ATARI**  
**Zone - V, Kolkata**



*Submitted by*



**JHARGRAM KRISHI VIGYAN KENDRA**

**Bidhan Chandra Krishi Viswavidyalaya**  
**Indian Council of Agricultural Research**

Kadamkanan, P.O. Jhargram- 721507, Dist. Jhargram, W.B.  
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## ANNUAL REPORT 2022 (January-December 2022)

### 1. GENERAL INFORMATION ABOUT THE KVK

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

| Address  | Telephone  |     | E mail                |
|--|------------|-----|-----------------------|
|  | Office     | FAX |                       |
| Jhargram Krishi Vigyan Kendra<br>Bidhan Chandra Krishi Vidyalaya<br>Kadamkanan, P.O & Distt.: Jhargram<br>West Bengal – 721507 | 8617071610 |     | jhargramkvk@gmail.com |

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

| Address  | Telephone          |     | E mail           |
|--|--------------------|-----|------------------|
|  | Office             | FAX |                  |
| <b>Bidhan Chandra Krishi Vidyalaya</b><br><b>P.O. Krishi Viswavidyalaya,</b><br><b>Mohanpur,</b><br><b>Dist- Nadia, West Bengal, India,</b><br><b>Pin-741252</b> | (03473)-<br>222269 |     | bckvvc@gmail.com |

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

| Name                | Telephone / Contact |            |                       |
|---------------------|---------------------|------------|-----------------------|
|                     | Residence           | Mobile     | Email                 |
| Dr.Asim Kumar Maiti |                     | 8617071610 | jhargramkvk@gmail.com |

#### 1.4. Year of sanction of KVK: 17.03.2021

1.5. Staff Position (as on 1<sup>st</sup> January, 2022)

| Sl. No. | Sanctioned post                 | Name of the incumbent         | Designation               | Discipline/  | Pay Scale with present basic                                 | Date of joining | Permanent/Temporary | Category (SC/ST/OBC/ Others) |
|---------|---------------------------------|-------------------------------|---------------------------|--------------|--|-----------------|---------------------|------------------------------|
| 1       | Senior Scientist& Head          | Dr. Asim Kumar Maiti          | Senior Scientist& Head    |              | Level 13A (Rs 1,31,400-2,17,100/-),<br>Basic- Rs. 1,61,600/- | 02.07.2012      | Permanent           | General                      |
| 2       | Subject Matter Specialist       | Mr. Satyendra Nath Singh      | Subject Matter Specialist | Agril. Engg. | Level 10 (Rs. 56,100-1,77,500/-)<br>Basic- Rs. 1,17,400/-    | 20.02.1990      | Permanent           | General                      |
| 3       | Subject Matter Specialist       | Dr. Srabani Das               | Subject Matter Specialist | Horticulture | Level 10 (Rs. 56,100-1,77,500/-)<br>Basic- Rs. 67,000/-      | 22.10.2016      | Permanent           | General                      |
| 4       | Subject Matter Specialist       | Dr. Milan Kanti Kundu         | Subject Matter Specialist | Agronomy     | Level 10 (Rs. 56,100-1,77,500/-)<br>Basic- Rs. 65,000/-      | 22.06.2018      | Permanent           | General                      |
| 5       | Subject Matter Specialist       | Mr. Sayak Das                 | Subject Matter Specialist | Soil Science | Level 10 (Rs. 56,100-1,77,500/-)<br>Basic- Rs. 61,300/-      | 16.09.2019      | Permanent           | General                      |
| 6       | Subject Matter Specialist       |                               |                           |              |  |                 |                     |                              |
| 7       | Subject Matter Specialist       |                               |                           |              |  |                 |                     |                              |
| 8       | Programme Assistant (Lab. Tech) | Dr. Tonmoy Sengupta           | Programme Assistant       | Lab. Tech.   | Level 6 (Rs. 35,400-1,12,400/-)<br>Basic- Rs. 42,300/-       | 27.10.2016      | Permanent           | General                      |
| 9       | Programme Assistant (Computer)  | Mr. Susanta Kumar Nayak       | Programme Assistant       | Computer     | Level 6 (Rs. 35,400-1,12,400/-)<br>Basic- Rs. 47,600/-       | 02.07.2012      | Permanent           | General                      |
| 10      | Farm Manager                    |                               |                           |              |  |                 |                     |                              |
| 11      | Accountant / Superintendent     | Mr. Somnath Sarkar            | Assistant                 |              | Level 6 ( Rs. 35,400-1,12,400/-)<br>Basic- Rs. 39,900/-      | 09.03.2017      | Permanent           | General                      |
| 12      | Stenographer                    | Mr. Partha Pratim Chakraborty | Stenographer              |              | Level 4 ( Rs. 25,500-81,100/-)<br>Basic- Rs. 42,200/-        | 30.08.2006      | Permanent           | General                      |
| 13.     | Driver                          | Mr. Manoj Pal                 | Driver                    |              | Level 3 ( Rs. 21,700-69,100/-)<br>Basic- Rs. 26,800/-        | 18.04.2011      | Permanent           | OBC                          |
| 14.     | Driver                          | Mr. Chandra Sekhar Mandi      | Driver                    |              | Level 3 ( Rs. 21,700-69,100/-)<br>Basic- Rs. 26,800/-        | 18.04.2011      | Permanent           | ST                           |
| 15.     | Supporting staff                | Mr. Sundar Hansda             | Supporting staff          |              | Level 1 ( Rs. 18,000-56,900/-)<br>Basic- Rs. 22,100/-        | 16.02.2015      | Permanent           | ST                           |
| 16.     | Supporting staff                |                               |                           |              |  |                 |                     |                              |



|     |                          |  |  |  |  |  |  |  |  |
|-----|--------------------------|--|--|--|--|--|--|--|--|
| 12. | Mushroom Lab             |  |  |  |  |  |  |  |  |
| 13. | Mushroom production unit |  |  |  |  |  |  |  |  |
| 14. | Shade house              |  |  |  |  |  |  |  |  |
| 15. | Soil test Lab            |  |  |  |  |  |  |  |  |
| 16  | Others,Please Specify    |  |  |  |  |  |  |  |  |
|     |                          |  |  |  |  |  |  |  |  |
|     |                          |  |  |  |  |  |  |  |  |

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

#### B) Vehicles

| Type of vehicle    | Year of purchase | Cost (Rs.) | Total km. Run | Present status |
|--------------------|------------------|------------|---------------|----------------|
| WB-50D 9266 Bolero | 2021             | 793167.00  | 21277         | Running        |

#### C) Equipment & AV aids

| Name of equipment        | Year of purchase | Cost (Rs.) | Present status | Source of fund |
|--------------------------|------------------|------------|----------------|----------------|
| <b>a. Lab equipment</b>  |                  |            |                |                |
|                          |                  |            |                |                |
| <b>b. Farm machinery</b> |                  |            |                |                |
|                          |                  |            |                |                |
| <b>c.AV Aids</b>         |                  |            |                |                |
|                          |                  |            |                |                |



|  |  |  |   |   |  |
|--|--|--|---|---|--|
|  |  |  |   | have been organized by mobilizing three women SHG and two farmers club.   |  |
|  |  |  | The need of livestock development infrastructure viz. instructional farm on goaterly, duckery, piggery, poultry and cattle farming be initialized.                | Owing to vacancy of Subject Matter Specialist (Animal Husbandry) and infrastructure the recommended could not be articulated.   |  |
|  |  |  | Front Line Demonstration on Sunflower, Millets and Dragon fruits be popularized.  | Orientation and motivational training program has been conducted. Introduction of sunflower, millets and dragon fruits under SCSP program in their prevailing farming system. Front Line Demonstration as a program is yet to be conducted. |  |
|  |  |  | In the proposed OFT on control of Stem Rot of Ground nut, Biological control may also be included with chemical control measures.                                 | Action taken and OFT is designed as per recommendation.   |  |
|  |  |  | In the Action Plan of 2022, the OFT on assessment of different planting time for better market price of cauliflower, not to be entertained.                       | Action taken.   |  |
|  |  |  | The Senior Scientist & Head of Jhargram KVK raised the issue of vacant position of Jhargram KVK. He told that total 06 posts are lying vacant and Kendra has been | <b>Filled up</b> -SMS (Agronomy), SMS (Soil Science), Stenographer-III joint in this financial year.<br><br><b>Vacant</b> - SMS (Animal Husbandry),   |  |

|  |  |  |   |  |  |
|--|--|--|---|--|--|
|  |  |  | presently functioning with three SMS's. But as per requirement is concerned still three SMS posts are lying vacant in which Agronomy is the prime need for executing all sorts of Agronomical activities for the farming community of the district. He requested to the concerned authority to fill the vacant posts as early as possible so that mandated activities of KVK could be conducted smoothly. | SMS (Agri. Extension), Farm manager and Skill Supporting staff |  |
|  |  |  |   |  |  |

*\* Salient recommendation of SAC in bullet form*

*Attach a copy of SAC proceedings along with list of participants*

***Jhargram Krishi Vigyan Kendra***  
**Bidhan Chandra Krishi Vishwavidyalaya**  
 Kadamkanan, P.O & Distt.: Jhargram  
 West Bengal – 721507  
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**PROCEEDING OF THE 1<sup>ST</sup> SCIENTIFIC ADVISORY COMMITTEE MEETING**  
**JHARGRAM KVK**

**VENUE – JHARGRAM KVK, RRS – BCKV, JHARGRAM**

**DATE - APRIL 06, 2022**

**Members Present:**

1. Dr. Umesh Thapa, Director of Extension Education, BCKV
2. Dr. Subrata Kumar Roy, Director, ICAR-ATARI, Kolkata
3. Dr. S. K. Roy, Pr. Scientist & Head, ICAR-NBSS & LUP, Kolkata
4. Dr. Asim Kumar Maiti, Senior Scientist & Head, Jhargram KVK
5. Dr. Mini Poduval. In-Charge, RRS Jhargram, BCKV
6. Dr. Aloknath Prahara, ADF, Jhargram
7. Dr. S. Khan, DHO, Jhargram
8. Mr. Mihir Kumar Mondal, PD ATMA, Jhargram
9. Dr. Chanchal Datta, AD. ARD, Jhargram
10. Mr. Akash Sharma, DDM, NABARD, Jhargram
11. Mr. Ranjit Kumar Dutta, LDM, Jhargram
12. Mr. Prasenjit Hazra, SAE, Jhargram
13. Mr. Tarapada Sur, Manager, DIC, Jhargram
14. Mr. Pradip Sengupta, FRO, Jhargram
15. Mr. Subal Chandra Soren, ADA (Admin.), SC, DPAP, Jhargram
16. Mr. Prasun Kumar Ghosh, IDO, DIC, Jhargram
17. Mr. Sarjen Hansda, Chhandpara, Farmers Representative, Sidsare FC, Jhargram
18. Mr. Sandip Ghosh, Bansajuri, Farmers Representative, FC, Jhargram
19. SK. Farad Hussain Khan, Beragari, Kapgari, Farmers Representative
20. Mrs. Parbati Murmu, Kenduasuli, Kapgari, Farmers Representative
21. Mrs. Rehana Parvin, Beragari, Kapgari, Farmers Representative
22. Dr. Satyaendra Nath Singh, SMS (Agril. Engg.), Jhargram KVK
23. Dr. Srabani Das, SMS (Horticulture), Jhargram KVK
24. Mr. Sourav Halder, SMS (Agril. Extn.), Jhargram KVK
25. Dr. Tonmoy Sengupta, PA (Lab. Technician), Jhargram KVK
26. Mr. Susanta Kumar Nayak, PA (Computer), Jhargram KVK

**Agenda:**

1. Presentation of Annual Progress Report 2021
2. Approval of Action Plan 2022
3. Miscellaneous with kind approval of the Chairman

**Proceeding:**

Dr. Umesh Thapa, Director of Extension Education, BCKV, on behalf of the Chairman of the SAC, Jhargram KVK presided over the meeting. He welcomes all the members of the SAC for attending the same meeting and invites their active participation with fruitful suggestions.

Dr. Subrata Kumar Roy, Director, ICAR-ATARI, Kolkata explained about the ICAR mandates and mode of convergence of different programmes with line departments to strengthen the KVK activities

throughout the districts. He informed the house that nearly 1.62 crores have been earmarked for creation of New Administrative Building of this KVK. Besides the success story be earmarked for presentation in *Man-Ki-Baat* by our Hon'ble Prime Minister. The prioritized KVK be bestowed with drone facilities with financial allocation of Rs. 10 lakh in the KVK form better monitoring and implementation of the KVK mandatory works. The host organization is being requested to facilitate all need – based infrastructure as early as possible. At last, he requested all the line departments to harness the KVK as a resource centre of the district for real cause of the faming concern. He opined that the SAC must be conducted within December of each year.

With permission to the Chairman, Dr. Asim Kumar Maiti, Senior Scientist & Head, Jhargram KVK, Member Secretary of the SAC presented the progress report of this KVK from April to December 2021 which has been appreciated by the house. Further, the action plan for the period from January to December 2022 was presented before the house and the followings are the salient recommendations by the house were resolved.

- A. Prior to adaptation of the village agro-eco system analysis be conducted through PRA.
- B. Introduction & popularization of the new improve Variety of the custard apple and value addition programme on vegetable and fruits be promoted through SHG & Farmers Club.
- C. The need of livestock development infrastructure viz. instructional farm on goatery, duckery, piggery, poultry and cattle farming be initialized.
- D. Front Line Demonstration on Sunflower, Millets and Dragon fruits be popularized.
- E. In the proposed OFT on control of Stem Rot of Ground nut, Biological control may also be included with chemical control measures.
- F. In the Action Plan of 2022, the OFT on assessment of different planting time for better market price of cauliflower, not to be entertained.
- G. The Senior Scientist & Head of Jhargram KVK raised the issue of vacant position of Jhargram KVK. He told that total 06 posts are lying vacant and Kendra has been presently functioning with three SMS's. But as per requirement is concerned still three SMS posts are lying vacant in which Agronomy is the prime need for executing all sorts of Agronomical activities for the farming community of the district. He requested to the concerned authority to fill the vacant posts as early as possible so that mandated activities of KVK could be conducted smoothly.

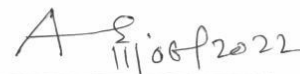
He informed to the house that the allocated KVK's farm land are in scattered position and unfenced, in this respect the house suggested that the appropriate authority be looked into the matter and necessary step may be taken. Besides, the emphasis was given to construct farmers hostel, farm infrastructure and farm approach Road.

Jhargram KVK being in its initial stage and located far away from the host organizations head quarter, faces problems to mobilize fund in due time. The house is proposed about the need of recoupment advance for smooth functioning of the KVK's day to day activities.

Lastly the meeting was ended with Vote-of-Thanks to the Chairman and the participants and all the participants and dignitaries were honoured with the memento.



**(Dr. Umesh Thapa)**  
Chairman, SAC Meeting  
Director of Extension Education  
BCKV  
Director  
Directorate of Extension Education  
Bidhan Chandra Krishi Viswavidyalaya  
Mohanpur, Nadia, West Bengal



**(Dr. Asim Kumar Maiti)**  
Member-Secretary, SAC Meeting  
Senior Scientist & Head  
Jhargram KVK, BCKV  
Senior Scientist & Head  
Jhargram K V K  
BCKV ★ ICAR

## 2.a. District level data on agriculture, livestock and farming situation (2022)

| Sl. No. | Item  | Information  |
|---------|---|--|
| 1       | Major Farming system/enterprise   | Rain-fed rice-based production system  |
| 2       | Agro-climatic Zone  |  |
| I.      | Red and Lateritic Zone<br>Blocks:<br>(Binpur- I, & II, Jamboni, Jhargram ,Gopiballavpur-I&II,Sankrail, Nayagram | The average rainfall of zone is 1200 mm (+ 236.14mm SD), 80% of rain fall received during (June-Sep) and temperature varies from 15-44 <sup>0</sup> C in peak winter and summer. There are two major group of soil viz, red and lateritic are found in this zone. The soil varies in depth and in cases shallow in nature. Due to undulating terrine the soil are highly eroded in nature. The soil fertility levels very poor with low N, P and K as well as organic content. The soils are coarse in texture, poor water retention capacity, and erosion prone and PH varies from 4.8-6.6.The rolling plane merged in to flat alluvial and delted plane to east and southeast of the district. The land is highest near Silda (130 mt. Above MSL). |
| 3       | Agro ecological situation   |  |
| I.      | Rain-fed  | The average rainfall of zone is 1200 mm (+ 236.14mm SD), 80% of rain fall received during (June-Sep) and temperature varies from 15-44 <sup>0</sup> C in peak winter and summer. The 50% of the area is drought prone, 63% of the net cultivable area has been brought under irrigated<br>Cropping pattern:<br>i Rice-Potato-Sesamum<br>ii. Rice-mustard-Vegetable/Moong<br>iii. Rice-Rice-fallow<br>iv. Rice-groundnut-fallow<br>v. Matstick /Betelvine/flowers (perennial)<br>vi. Rice-red gram/black gram-fallow<br>vii. Rice-vegetable-vegetable   |
| 4       | Soil type   | Red and lateritic, Vindhya alluvial, Recent alluvial   |
| 5       | Productivity/Production of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others       |  |
|         | Crops   | Production (ton)/year  |
| I.      | Cereals other than Maize  | 463127   |
| II.     | Pulses  | 3628   |
| III.    | Oilseeds (only Mustard)   | 19059  |
| IV.     | Vegetables  | 96146  |
| V.      | Potato  | 155970   |
| 6       | Mean yearly temperature, rainfall, humidity of the district   |  |
| 7       | Production of major livestock products like milk, egg, meat etc.  |  |
|         | Products  | Production /year   |
| I.      | Milk  | 120995ton  |
| II.     | Egg   | 39564175   |
| III.    | Meat  | 9345 MT  |

Note: Please give recent data only

## 2.b. Details of operational area / villages (2022)

| Sl.No | Name of Taluk | Name of the block | Name of the village   | Major crops & enterprises  | Major Problems identified (crop wise)  | Identified Thrust Area   |
|-------|---------------|-------------------|---|--|--|--|
| 1     | Jhargram      | Jhargram          | Nekradoba, Nuniakundri, Gaurgram, Pukuriya, Katehara, Katchara, Jharageriya, Jamidardanga, Salungeriya, Nakat, Chapasol, Jambeda, Jamsol, Damodorpur, SatpatiFulberiya, Kalsibhanga, Kechanda, Manikpara  | Paddy, oilseeds, vegetables, Fruits and Livestock                    | Low yield of paddy, Sesamum, vegetables & Fruits   | Awareness about improved package & practices of Crop & Veg., Livestock and fish production for better return |
| 2     | Jhargram      | Binpur – I        | Tikarampur, Andhariya, Bhadrupal, Tilabani, Barojhoriya, Salchaturi, Palashi  | Paddy, Potato, Oilseeds, Pulses, vegetables and Livestock            | Low yield of paddy, Potato, Sunflower, Sesamum, All major vegetables and Livestock       | Awareness about improved package & practices of Crop & Veg., Livestock                                       |
| 3     | Jhargram      | Binpur –II        | Karatsole, Mouturia, Belebera, Kendapara, Vedakui, Asanbani, Sarpura, Kakatpal, Simulpal, Bankati, Sirisbani, Dangardiha, Birgi, Bamundiha, Banksol, Talpukuriya, Belpahari, Chhera, Parashidanga, Baliguma, Sarishabansa, Andhargeriya, Domsol, Bankati, Karasai, Hardah, Ratanpur | Paddy, Mustard, Sunflower, Sesamum, vegetables, fruits and Livestock | Low yield of paddy, Maize, Mustard, Sunflower, Sesamum, vegetables, fruits and Livestock | Awareness about improved package & practices of Crop & Veg., Livestock and Fish                              |
| 4     | Jhargram      | Jamboni           | Nachda, Beragari, Banbhum, Kapgari, Bagghori, Enata   | Paddy, Mustard, vegetables and Livestock                             | Low yield of paddy, Sesamum, Bittergourd, Bottlegourd, Fruits and Livestock              | Awareness about improved package & practices of Crop & Veg., Fish  |
| 5     | Jhargram      | Gopiballavpur-I   | Tikayetpur, Gopiballavpur,  | Paddy, Pulses, Groundnut and Livestock                               | Lower yield of paddy, Oilseeds, vegetables and Livestock                                 | Awareness about improved package & practices of Crop & Veg   |

|   |          |                  |                      |  |  |  |
|---|----------|------------------|----------------------|--|--|--|
| 6 | Jhargram | Gopiballavpur-II | Teghari              | Paddy, Pulses, Groundnut and Livestock   | Low yield of paddy, Oilseeds, vegetables and Livestock | Awareness about improved package & practices of Crop & Veg             |
| 7 | Jhargram | Nayagram         | Chandabila, Nayagram | Paddy, Mustard, vegetables and Livestock | Low yield of paddy, Oilseeds, vegetables and Livestock | Awareness about improved package & practices of Crop & Veg., Livestock |
| 8 | Jhargram | Sankrail         | Pratappur            | Paddy, Mustard, vegetables and Livestock | Low yield of paddy, Oilseeds, vegetables and Livestock | Awareness about improved package & practices of Crop & Veg             |

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2022) for its development and action plan

| Name of village | Block    | Activities taken up for development   |
|-----------------|----------|---|
| Bandhgora       | Jhargram | Training, Demonstration, Crop diversification, Strengthening of Farmers group and SHG, Fish seed production, Exposure Visit,  |
| Nekradoba       | Jhargram | Training, Demonstration, Crop diversification, Strengthening of Farmers Group, Fish seed production, Exposure Visit,  |
| Nuniakundri     | Jhargram | Training, Demonstration, Sunflower, Lentil, Mustard production, Formation of Farmers club, Intensification of Pisciculture in small pond, Organic Vegetable Cultivation, Exposure Visit etc.                                |
| Palasi          | Jhargram | Training, Demonstration, Sunflower, Lentil, Mustard production, Formation of Farmers club, Intensification of Pisciculture in small pond, Off season vegetable cultivation, Exposure Visit etc.                             |
| Tangia          | Jamboni  | Training, Demonstration, Crop diversification, Waste land management through Orchard development, pulse seed production through different projects, Formation of Farmers club, Exposure Visit etc.                          |
| Chuchada        | BinpurII | Training, Demonstration, , Oilseeds seed production through different projects, Formation of Farmers Group, Exposure Visit etc.   |
| Pindra          | Jhargram | Training, Demonstration, Crop diversification, , oilseeds seed production through different projects, Formation of Farmers Group and SHG, Exposure Visit etc.   |
| Tikarampur      | BinpurI  | Training, Demonstration, Bitterguardproduction , oil seed production through different projects, Formation of Farmers Group and SHG, Exposure Visit etc.  |
| Jharia          | BinpurI  | Training, Demonstration, Crop diversification, , pulse seed production through different projects, Formation of Farmers Group and SHG, Exposure Visit etc.  |
| Karatsole       | BinpurII | Training, Demonstration, , Formation of Farmers Group & SHG, Intensification of Pisciculture in small pond, Off season vegetable cultivation, paddytransplantig by transplanter machine, Exposure Visit and Krishi Mela etc |
| Harinaganj      | Jamboni  | Training and Demonstration on "PGRs on Bittergourd Cultivation"   |
|                 |          |   |

## 2.1 Priority thrust areas

| S. No | Thrust area  |
|-------|--|
| 1.    | Adoption of suitable Agricultural technologies with respect to changing climate  |
| 2.    | Awareness about improved package & practices of Crop & Veg., Other Horticultural crops, Livestock production for better return |
| 3.    | Enhancement of seed replacement ratio  |
| 4.    | Awareness about IFS(Fish cum Veg, cum Livestock)   |
| 5.    | Soil Health Management   |
| 6.    | Promotion of Organic Farming   |
| 7.    | Judicious & Efficient Water Management   |
| 8.    | Popularization of Farm Mechanization   |
| 9.    | Women Empowerment  |
| 10.   | Formation of Grass root level Organization and Custom and Hiring Center (CHC) for the Farming community                        |
| 11.   | Skill Development Training for Rural Youth   |
| 12.   | Convergence of different Rural & Agricultural Development Programme of Govt., NARS & other stake holders                       |
| 13.   | Awareness about different Govt. Flagship Programmes like Promotion & production of Millets, World Soil Day etc.                |
| 14.   | Promotion of Integrated Farming System   |

### 3. TECHNICAL ACHIEVEMENTS

#### 3. A.Details of target and achievement of mandatory activities by KVK during the year

| OFT                         |             |                   |             |   |    |   |        |   |       |   | FLD                               |             |                   |             |    |    |    |    |        |    |       |    |     |
|-----------------------------|-------------|-------------------|-------------|---|----|---|--------|---|-------|---|-----------------------------------|-------------|-------------------|-------------|----|----|----|----|--------|----|-------|----|-----|
| No. of technologies tested: |             |                   |             |   |    |   |        |   |       |   | No. of technologies demonstrated: |             |                   |             |    |    |    |    |        |    |       |    |     |
| Number of OFTs              |             | Number of farmers |             |   |    |   |        |   |       |   | Number of FLDs                    |             | Number of farmers |             |    |    |    |    |        |    |       |    |     |
| Target                      | Achievement | Target            | Achievement |   |    |   |        |   |       |   | Target                            | Achievement | Target            | Achievement |    |    |    |    |        |    |       |    |     |
| 09                          | 03          | 90                | SC          |   | ST |   | Others |   | Total |   |                                   | 16          | 12                | 310         | SC |    | ST |    | Others |    | Total |    |     |
|                             |             |                   | M           | F | M  | F | M      | F | M     | F | T                                 |             |                   |             | M  | F  | M  | F  | M      | F  | M     | F  | T   |
|                             |             |                   | 7           | 0 | 6  | 0 | 17     | 0 | 30    | 0 | 30                                |             |                   |             | 68 | 26 | 49 | 03 | 189    | 10 | 306   | 39 | 345 |

| Training          |             |                        |             |     |     |     |        |     |       |     | Extension activities |             |                        |             |     |     |     |     |        |     |       |     |      |
|-------------------|-------------|------------------------|-------------|-----|-----|-----|--------|-----|-------|-----|----------------------|-------------|------------------------|-------------|-----|-----|-----|-----|--------|-----|-------|-----|------|
| Number of Courses |             | Number of Participants |             |     |     |     |        |     |       |     | Number of activities |             | Number of participants |             |     |     |     |     |        |     |       |     |      |
| Target            | Achievement | Target                 | Achievement |     |     |     |        |     |       |     | Target               | Achievement | Target                 | Achievement |     |     |     |     |        |     |       |     |      |
| 86                | 98          | 1675                   | SC          |     | ST  |     | Others |     | Total |     |                      | 391         | 476                    | 2541        | SC  |     | ST  |     | Others |     | Total |     |      |
|                   |             |                        | M           | F   | M   | F   | M      | F   | M     | F   | T                    |             |                        |             | M   | F   | M   | F   | M      | F   | M     | F   | T    |
|                   |             |                        | 327         | 157 | 456 | 144 | 705    | 222 | 1488  | 523 | 2011                 |             |                        |             | 845 | 230 | 669 | 274 | 1696   | 348 | 3210  | 852 | 4062 |

| Impact of capacity building    |             |   |   |    |   |        |   |       |   |   | Impact of Extension activities  |             |   |   |    |   |        |   |       |   |   |  |
|--------------------------------|-------------|---|---|----|---|--------|---|-------|---|---|---------------------------------|-------------|---|---|----|---|--------|---|-------|---|---|--|
| Number of Participants trained |             | Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower) |   |    |   |        |   |       |   |   | Number of Participants attended |             | Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower) |   |    |   |        |   |       |   |   |  |
| Target                         | Achievement | SC  |   | ST |   | Others |   | Total |   |   | Target                          | Achievement | SC  |   | ST |   | Others |   | Total |   |   |  |
|                                |             | M   | F | M  | F | M      | F | M     | F | T |                                 |             | M   | F | M  | F | M      | F | M     | F | T |  |
|                                |             |   |   |    |   |        |   |       |   |   |                                 |             |   |   |    |   |        |   |       |   |   |  |

| Seed production (q) |  |  |             |  |  | Planting material (in Lakh) |  |  |             |  |  |
|---------------------|--|--|-------------|--|--|-----------------------------|--|--|-------------|--|--|
| Target              |  |  | Achievement |  |  | Target                      |  |  | Achievement |  |  |
|                     |  |  |             |  |  |                             |  |  |             |  |  |

| Livestock strains and fish fingerlings produced (in lakh)* |  |  |             |  |  | Soil, water, plant, manures samples tested (in lakh) |  |  |             |  |  |
|--|--|--|-------------|--|--|--|--|--|-------------|--|--|
| Target   |  |  | Achievement |  |  | Target   |  |  | Achievement |  |  |
|  |  |  |             |  |  |  |  |  |             |  |  |

\* Give no. only in case of fish fingerlings

| Publication by KVKs                 |        |                |   |  |   |  |   |
|-------------------------------------|--------|----------------|---|--|---|--|---|
| Item                                | Number | No. circulated | No. of Research papers in NAAS rated Journals | Highest NAAS rating of any publication | Average NAAS rating of the publications | Details of awarded publication, if any | Details of Award given to the publication |
| Research paper                      |        |                |   |  |   |  |   |
| Seminar/conference/ symposia papers |        |                |   |  |   |  |   |
| Books                               |        |                |   |  |   |  |   |
| Bulletins                           |        |                |   |  |   |  |   |
| News letter                         |        |                |   |  |   |  |   |
| Popular Articles                    |        |                |   |  |   |  |   |
| Book Chapter                        |        |                |   |  |   |  |   |
| Extension Pamphlets/ literature     | 6      | 182            |   |  |   |  |   |
| Technical reports                   | 18     |                |   |  |   |  |   |
| Electronic Publication (CD/DVD etc) |        |                |   |  |   |  |   |
| TOTAL                               |        |                |   |  |   |  |   |

## 1 Achievements on technologies assessed and refined

**ON FARM TESTING – 1**

|    |   |  |
|----|---|--|
| 1. | Title of On farm Trial  | Studies on the effects of lime application and INM on the yield performance of Brinjal ( <i>Solanum melongena</i> ) in the red and lateritic zone of Jhargram.               |
| 2. | Problem diagnosed   | Decreased yield.   |
| 3. | Details of technologies selected for assessment/refinement (Mention either Assessed or Refined) | <b>Farmers Practice (FP):</b> Conventional Cultivation<br><b>Technology option-I (TO-I):</b> Lime application<br><b>Technology option-II (TO-II):</b> Lime application + INM |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify)                                    | BCKV   |
| 5. | Production system and thematic area   | Conventional Cultivation Practice<br>Nutrient management   |
| 6. | Performance of the Technology with performance indicators                                       | Performance is satisfactory so far.  |
| 7. | Final recommendation for micro level situation  | <b>Tech. Option-II</b> proves to be best   |
| 8. | Constraints identified and feedback for research  | No constraints so far.   |
| 9. | Process of farmers participation and their reaction   | Farmers participated in collaborative mode.  |

*Thematic area:* Nutrient management

Problem definition: Indiscriminate use of fertilizers/Conventional methods of farming system resulting lower yield.

**Technology assessed:**

**Farmers Practice (FP):** Conventional Cultivation

**Technology option-I (TO-I):** Lime application

**Technology option-II (TO-II):** Lime application + INM

Table:

| Technology option                                      | No. of trials | Yield component          |                     | Yield (q/ha) | Cost cultivation of (Rs./ha) | Gross return (Rs/ha) | Net return (Rs./ha) | BC ratio |
|--|---------------|--------------------------|---------------------|--------------|------------------------------|----------------------|---------------------|----------|
|  |               | Plant Height (60 DAT,cm) | No. of flower/plant |              |                              |                      |                     |          |
| <b>Farmers' Practice:</b><br>Conventional Cultivation  | 10            | 67                       | 22                  | 221          | 98450                        | 172380               | 73930               | 1.33     |
| <b>Technology Option -1:</b><br>Lime application       | 10            | 72.2                     | 25.1                | 239.5        | 110000                       | 186810               | 76810               | 1.43     |
| <b>Technology Option -2:</b><br>Lime application + INM | 10            | 82.1                     | 27.6                | 276          | 127800                       | 215280               | 87480               | 1.46     |
| SEm  |               | 0.5                      | 0.3                 | 5.4          |                              |                      |                     |          |
| CD (P=0.05)  |               | 1.1                      | 0.8                 | 11.8         |                              |                      |                     |          |

## Results:

Among all the technologies **Tech. Option-II** proves to be best so far with 1.46 B:C ratio.

### ON FARM TESTING – 2

|    |   |  |
|----|---|--|
| 1. | Title of On Farm Trial  | Assessment of varietal performance of Gladiolus ( <i>Gladiolus sp.</i> ) in the red and lateritic zone of Jhargram in rabi season.   |
| 2. | Problem diagnosed   | Poor quality produce   |
| 3. | Details of technologies selected for assessment/refinement (Mention either Assessed or Refined) | <b>Treatments:</b><br><b>Farmers Practice (FP):</b> Cultivation of local variety<br><b>Technology option-I:</b> Cultivation of the variety 'Candyman'<br><b>Technology option-II:</b> Cultivation of the variety 'Pacifica Beauty'<br><b>Technology option-III:</b> Cultivation of the variety 'Summer sunshine' |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify)                                    | Kumar Sunil et al. (2013) Evaluation of gladiolus ( <i>Gladiolus hybrida</i> ) cultivars for flower and corm production under Pasighat (Arunachal Pradesh) condition, Current Horticulture. 1(2): 16-20  |
| 5. | Production system and thematic area   | Cultivation of local variety<br>TA: Varietal Performance   |
| 6. | Performance of the Technology with performance indicators                                       | Among all the technologies <b>Tech. Option-I</b> proves to be best so far  |
| 7. | Final recommendation for micro level situation  | --   |
| 8. | Constraints identified and feedback for research  | --   |
| 9. | Process of farmers participation and their reaction   | Direct contact with interested farmers. Their fields were visited and selected for the trial.  |

**Thematic area:** Varietal Performance

**Problem definition:** Low yield and poor quality produce.

**Technology assessed:**

**Table:**

| Technology option   | No. of trials | Yield component     |                     | Disease/ insect pest incidence (%) | Yield (no.s/ha) | Cost of cultivation (Rs./ha) | Gross return (Rs/ha) | Net return (Rs./ha) | BC ratio |
|---|---------------|---------------------|---------------------|------------------------------------|-----------------|------------------------------|----------------------|---------------------|----------|
|   |               | Av. Height of stick | No of florets/stick |                                    |                 |                              |                      |                     |          |
| <b>Farmers Practice (FP):</b><br>Cultivation of local variety                 | 10            | 3.8'                | 8.15                | -                                  | 240000          | 1020000                      | 1550000              | 480000              | 0.47     |
| <b>Technology option-I:</b><br>Cultivation of the variety 'Candyman'          | 10            | 89.15 cm            | 14.75               | -                                  | 200000          | 1000000.00                   | 2500000.00           | 1500000.00          | 1.5      |
| <b>Technology option-II:</b><br>Cultivation of the variety 'Pacifica Beauty'  | 10            | 5.1'                | 10.5                | -                                  | 200000          | 1000000.00                   | 2200000.00           | 1200000.00          | 1.2      |
| <b>Technology option-III:</b><br>Cultivation of the variety 'Summer sunshine' | 10            | 5.2'                | 11.5                | -                                  | 200000          | 1000000.00                   | 2200000.00           | 1200000.00          | 1.2      |
| SEm   |               | 0.7                 | 0.5                 |                                    | 4.3             |                              |                      |                     |          |
| CD (P=0.05)   |               | 1.5                 | 1.1                 |                                    | 9.4             |                              |                      |                     |          |

Results: Among all the technologies **Tech. Option-I** proves to be best so far with 1.50 B:C ratio.

### ON FARM TESTING – 3

|   |  |   |
|---|--|---|
| 1 | Title of On Farm Trial                                     | Assessment of Performance of different kinds of Inputs on the yield of paddy  |
| 2 | Problem diagnosed  | High cost of Production and low yield of Paddy  |
| 3 | Details of Technologies selected for assessment/refinement | <p><b>Farmers Practice :</b> Conventional application of fertilizers</p> <p><b>Technology option – I :</b> Application of GhanJeevamrutha 2 tonnes/ha during field preparation and while sowing.</p> <p>Jeevamrutha application every( 15 to 20 days) after 4leaf stage of Paddy crop</p> <p><b>Technology –II :</b> FYM 5 Tonnes/ha during land preparation , Vermicompost and Compost application every 20 days along with Amirtha Karaisal (25l/ ha) thrice during the growth phase and Panchagavya 3% at booting and tillering stage.</p> |
| 4 | Source of Technology                                       | TNAU, MANAGE  |
| 5 | Production System and Thematic Area                        | RICE-RICE, Nutrient Management  |
| 6 | Performance of the Technology with Performance Indicators  | First Year trial has started. The crop growth is good so far.   |
| 7 | Final recommendation for microlevel situation              | The crop is in the field so recommendation is yet to come   |
| 8 | Constraints identified and feedback for research           | Farmers were not aware of the usefulness of the new technology that is Natural Farming and Organic farming. They are satisfied by the growth of paddy.  |
| 9 | Process of Farmers Participation and their reaction        | Farmers participated in a collaborative mode  |

Thematic Area : Nutrient Management

Problem Definition : Low Productivity and High Cost Of Production Of Paddy

Technology Assessed : Performance of different Organic Inputs in the Yield of Paddy

Table: Performance of different Organic Inputs in the Yield and economics of Paddy

**Table:**

| Technology Option  | No of Trials | Yield Component                          |                       |                 | Yield (q/ha) | Cost of Cultivation (Rs/ha) | Gross Return (Rs/ha) | Net Return (Rs/ha) | B:C Ratio |
|--|--------------|--|-----------------------|-----------------|--------------|-----------------------------|----------------------|--------------------|-----------|
|  |              | No of tillers/plant                      | No of grains / tiller | Test weight (g) |              |                             |                      |                    |           |
| <b>Farmers Practice :</b> Use of Conventional doses of Fertilizers   | 10           |  |                       |                 |              |                             |                      |                    |           |
| <b>Technology Option I:</b> Application of GhanJeevamrutha 2 tonnes/ha during field preparation and while sowing. Jeevamrutha application every( 15 to 20 days) after 4leaf stage of Paddy crop  |              | Crop is in the field. Result is Awaited. |                       |                 |              |                             |                      |                    |           |
|  |              |  |                       |                 |              |                             |                      |                    |           |
| <b>Technology Option II:</b> FYM 5 Tonnes/ha during land preparation , Vermicompost and Compost application every 20 days along with Amirtha Karaisal (25l/ ha) thrice during the growth phase and Panchagavya 3% at booting and tillering stage |              |  |                       |                 |              |                             |                      |                    |           |
| SEm  |              |  |                       |                 |              |                             |                      |                    |           |
| CD (P=0.05)  |              |  |                       |                 |              |                             |                      |                    |           |

Results: Crop is in the field.

### 3.2 Achievements of Frontline Demonstrations

#### A. Details of FLDs conducted during the year

##### Cereals

| Sl. No. | Crop  | Thematic area   | Technology Demonstrated with detailed treatments | Area (ha) |        | No. of farmers/ Demonstration |   |    |   |        |   |       |   |    | Reasons for shortfall in achievement |
|---------|-------|-----------------|--|-----------|--------|-------------------------------|---|----|---|--------|---|-------|---|----|--------------------------------------|
|         |       |                 |  | Proposed  | Actual | SC                            |   | ST |   | Others |   | Total |   |    |                                      |
|         |       |                 |  |           |        | M                             | F | M  | F | M      | F | M     | F | T  |                                      |
| 1.      | Paddy | INM             | Spraying of Zn micronutrient                     | 2         | 2      | 7                             | 0 | 1  | 0 | 15     | 0 | 23    | 0 | 23 |                                      |
| 2.      | Maize | Crop production | Introduce new variety                            | 1         | 1      | 1                             | 0 | 0  | 0 | 11     | 0 | 12    | 0 | 12 |                                      |

##### Details of farming situation

| Crop       | Season | Farming situation (RF/Irrigated) | Soil type  | Status of soil (Kg/ha) |                               |                  | Previous crop | Sowing date                  | Harvest date                      | Seasonal rainfall (mm) | No. of rainy days |
|------------|--------|----------------------------------|------------|------------------------|-------------------------------|------------------|---------------|------------------------------|-----------------------------------|------------------------|-------------------|
|            |        |                                  |            | N                      | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |               |                              |                                   |                        |                   |
| Paddy      | Kharif | Rainfed                          | Sandy Loam | Medium                 | Low                           | Low              | Fallow        | 3 <sup>rd</sup> week of July | 3 <sup>rd</sup> week of October   |                        |                   |
| Maize      | Kharif | Rainfed                          | Sandy Loam | Medium                 | Low                           | Low              | Fallow        | 1 <sup>st</sup> week of July | 1 <sup>st</sup> week of October   |                        |                   |
| Black gram | Kharif | Rainfed                          | Sandy Loam | Medium                 | Low                           | Low              | Fallow        | 1 <sup>st</sup> week of June | 4 <sup>th</sup> week of September |                        |                   |
|            |        |                                  |            |                        |                               |                  |               |                              |                                   |                        |                   |

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

## Performance of FLD

## Oilseeds:

## Frontline demonstrations on oilseed crops

| Crop  | Thematic Area | Name of the Technology Demonstrated | No. of Farmers | Area (ha) | Yield (q/ha) |       | % Increase | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |
|-------|---------------|-------------------------------------|----------------|-----------|--------------|-------|------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|
|       |               |                                     |                |           | Demo         | Check |            | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |
|       |               |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |
|       |               |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |
| Total |               |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |

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

\*\* BCR= GROSS RETURN/GROSS COST

## Pulses

## Frontline demonstration on pulse crops

| Crop                | Thematic Area   | Name of the technology demonstrated | No. of Farmers | Area (ha) | Yield (q/ha) |       | % Increase | *Economics of demonstration (Rs./ha) |              |            |        | *Economics of check (Rs./ha) |              |            |        |
|---------------------|-----------------|-------------------------------------|----------------|-----------|--------------|-------|------------|--------------------------------------|--------------|------------|--------|------------------------------|--------------|------------|--------|
|                     |                 |                                     |                |           | Demo         | Check |            | Gross Cost                           | Gross Return | Net Return | ** BCR | Gross Cost                   | Gross Return | Net Return | ** BCR |
| Black gram (PAU 36) | Crop production | Introduce new variety               | 11             | 1         | 11.8         | 10.7  | 10.2       | 30250                                | 56640        | 26390      | 1.9    | 29500                        | 51360        | 21860      | 1.7    |
|                     |                 |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |
|                     |                 |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |
|                     | Total           |                                     |                |           |              |       |            |                                      |              |            |        |                              |              |            |        |

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

\*\* BCR= GROSS RETURN/GROSS COST



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

\*\* BCR= GROSS RETURN/GROSS COST

### Fisheries

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

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

\*\* BCR= GROSS RETURN/GROSS COST

### Other enterprises

| Category            | Name of the technology demonstrated | No. of Farmer | No. of units | Major parameters |       | % change in major parameter | Other parameter |       | *Economics of demonstration (Rs.) or Rs./unit |              |            |        | *Economics of check (Rs.) or Rs./unit |              |            |        |  |
|---------------------|-------------------------------------|---------------|--------------|------------------|-------|-----------------------------|-----------------|-------|---|--------------|------------|--------|---------------------------------------|--------------|------------|--------|--|
|                     |                                     |               |              | Demonstration    | Check |                             | Demonstration   | Check | Gross Cost                                    | Gross Return | Net Return | ** BCR | Gross Cost                            | Gross Return | Net Return | ** BCR |  |
| Oyster mushroom     | Enterprise development              |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Button mushroom     |                                     |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Vermicompost        |                                     |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Sericulture         |                                     |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Apiculture          |                                     |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Others (pl.specify) |                                     |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |
| Total               |                                     |               |              |                  |       |                             |                 |       |   |              |            |        |                                       |              |            |        |  |

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

\*\* BCR= GROSS RETURN/GROSS COST





|                     |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|--|
| Total               |  |  |  |  |  |  |  |  |  |  |
| Commercial crops    |  |  |  |  |  |  |  |  |  |  |
| Cotton              |  |  |  |  |  |  |  |  |  |  |
| Coconut             |  |  |  |  |  |  |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |  |  |  |  |  |  |
|                     |  |  |  |  |  |  |  |  |  |  |
| Total               |  |  |  |  |  |  |  |  |  |  |
| Fodder crops        |  |  |  |  |  |  |  |  |  |  |
| Napier (Fodder)     |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder)      |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder)    |  |  |  |  |  |  |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Total               |  |  |  |  |  |  |  |  |  |  |

#### Technical Feedback on the demonstrated technologies

| Sl. No | Crop       | Feed Back                             |
|--------|------------|---------------------------------------|
| 1      | Paddy      | Technology is accepted by the farmers |
| 2      | Maize      | Technology is accepted by the farmers |
| 3      | Black gram | Technology is accepted by the farmers |

## Extension and Training activities under FLD

| Sl.No. | Activity         | Date                         | No. of activities organized | Number of participants | Remarks  |
|--------|------------------|------------------------------|-----------------------------|------------------------|--|
| 1.     | Field days       | 25.02.2022                   | 1                           | 11                     | Farmers and farm women actively participated in the programme, discussion was made on the scientific cultural technologies of Bittergourd in vast, farmers came to know details of the technologies and agreed to apply the technologies in their practical field. |
| 2.     | Field days       | 17.03.2022                   | 1                           | 10                     | Farmers actively participated in the programme. Detailed discussion was done about the scientific cultural practices of Bittergourd. Farmers agreed to apply the technologies in their field.  |
| 3.     | Field days       | 19.04.2022                   | 1                           | 11                     | Farmers and farm women actively participated in the programme, discussion was made on the scientific cultural technologies of Ridge gourd in vast, farmers came to know details of the technologies and agreed to apply the technologies in their practical field. |
| 4.     | Field days       | 21.04.2022                   | 1                           | 15                     | Farmers and farmwomen actively participated in the programme. Detailed discussion was done about the scientific cultural practices of Brinjal. They agreed to apply the technologies in their field.   |
| 5.     | Field days       | 27.07.2022                   | 1                           | 10                     | Farmers actively participated in the programme. Detailed discussion was done about the scientific cultural practices of Chilli. Farmers agreed to apply the technologies in their field.   |
| 6.     | Farmers Training | Kharif Paddy –<br>29/07/2022 | 1                           | 27                     | Farmers actively participated in the programme. Detailed discussion was done about the scientific cultural practices of kharif paddy. Farmers agreed to apply the technologies in their field.   |
|        |                  | Maize –                      | 1                           | 12                     | Farmers actively participated in the programme. Detailed discussion was done about the scientific cultural practices of maize. Farmers agreed to apply the technologies in their field.  |
|        |                  | Black gram<br>-              | 1                           | 11                     | Farmers actively participated in the programme. Detailed discussion was done about the scientific cultural practices of Black gram. Farmers agreed to apply the technologies in their field.   |
| 7.     | Media coverage   |                              |                             |                        | Social media coverage  |

## Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2022 and Rabi 2022-2023:

### A. Technical Parameters:

| Sl. No. | Crop demonstrated | Existing (Farmer's) variety name | Existing yield (q/ha) | Yield gap (Kg/ha) w.r.to |                 |                     | Name of Variety + Technology demonstrated | Number of farmers | Area in ha | Yield obtained (q/ha) |      |       | Yield gap minimized (%) |    |    |
|---------|-------------------|----------------------------------|-----------------------|--------------------------|-----------------|---------------------|---|-------------------|------------|-----------------------|------|-------|-------------------------|----|----|
|         |                   |                                  |                       | District yield (D)       | State yield (S) | Potential yield (P) |   |                   |            | Max.                  | Min. | Av.   | D                       | S  | P  |
|         |                   |                                  |                       |                          |                 |                     |   |                   |            |                       |      |       |                         |    |    |
| 1.      | Redgram           | UPAS-120                         | 7.50                  | 8.20                     | 8.40            | 14.0                | Variety- LRG-52 + Trichoderma viridi, PSB | 112               | 10         | 15.00                 | 11.5 | 13.25 | 43                      | 38 | 22 |

### B. Economic parameters

| Sl. No. | Variety demonstrated & Technology demonstrated | Farmer's Existing plot |                      |                    |           | Demonstration plot |                      |                    |           |
|---------|--|------------------------|----------------------|--------------------|-----------|--------------------|----------------------|--------------------|-----------|
|         |  | Gross Cost (Rs/ha)     | Gross return (Rs/ha) | Net Return (Rs/ha) | B:C ratio | Gross Cost (Rs/ha) | Gross return (Rs/ha) | Net Return (Rs/ha) | B:C ratio |
| 1.      | LRG-52   | 34000.00               | 65000.00             | 31000.00           | 1.91:1    | 57500.00           | 118000.00            | 60500.00           | 2.05:1    |

### C. Socio-economic impact parameters

| Sl. No. | Crop and variety Demonstrated | Total Produce Obtained (kg) | Produce sold (Kg/household) | Selling Rate (Rs/Kg)                     | Produce used for own sowing (Kg) | Produce distributed to other farmers (Kg) | Purpose for which income gained was utilized | Employment Generated (Mandays/house hold) |
|---------|-------------------------------|-----------------------------|-----------------------------|--|----------------------------------|---|--|---|
| 1.      | LRG-52                        | Average yield 13.25 kg/ha   | 50-60% of the produce       | Rs. 90-100 (Based on local market price) | 15-20% of the produce            | 5% of the produce                         | Produced sold and uses as home consumption   | Average 50 Mandays/house hold             |

### D. Farmers' perception of the intervention demonstrated

| Sl. No. | Technologies demonstrated (with name)  | Farmers' Perception parameters      |                      |               |                     |  | Suggestions, for change/improvement, if any |
|---------|--|-------------------------------------|----------------------|---------------|---------------------|--|---|
|         |  | Suitability to their farming system | Likings (Preference) | Affordability | Any negative effect | Is Technology acceptable to all in the group/village |   |
| 1.      | Introduce new variety in Jhargram district. Seed treatment with T.Viridi and PSB | Suitable for Upland and fallow land |                      | Very good     | No                  | Yes  | Short duration Variety                      |

### E. Specific Characteristics of Technology and Performance

| Specific Characteristic   | Performance           | Performance of Technology vis-a vis Local Check              | Farmers Feedback   |
|---|-----------------------|--|--|
| Fusarium wilt resistant, High yielding, Medium duration, Suitable for sole cropping and intercropping | Performance is better | LRG-52 variety is more responsive than other local varieties | LRG-52 variety has been responded better result in short period. |

### F. Extension activities under FLD conducted till dates:

| Sl. No. | Extension Activities organized | Date and place of activity         | Number of farmer attended |
|---------|--------------------------------|------------------------------------|---------------------------|
| 1.      | Input distribution             | 02/09/2022, Belpahari, Binpur-2    | 69                        |
| 2.      | Input distribution             | 06/09/2022, Jhargram KVK, Jhargram | 18                        |
| 3.      | Input distribution             | 29/08/2022, Jhargram KVK, Jhargram | 12                        |
| 4.      | Input distribution             | 31/08/2022, Jhargram KVK, Jhargram | 13                        |
| 5.      | Training                       | 02/09/2022, Belpahari, Binpur-2    | 69                        |
| 6.      | Training                       | 06/09/2022, Jhargram KVK, Jhargram | 18                        |
| 7.      | Training                       | 29/08/2022, Jhargram KVK, Jhargram | 12                        |
| 8.      | Training                       | 31/08/2022, Jhargram KVK, Jhargram | 13                        |
| 9.      | Field Day                      | 14/11/2022, Karatsole              | 10                        |
| 10.     | Field Day                      | 22/12/2022, Bhadrupal              | 12                        |
| 11.     | Field Day                      | 22/12/Kakotpal                     | 6                         |

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



### H. Farmers' training photographs



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



### J. Details of budget utilization

| Crop<br>(provide crop<br>wise<br>information ) | Items                                    | Budget<br>Received<br>(Rs.) | Budget<br>Utilization<br>(Rs.) | Balance<br>(Rs.) |
|--|--|-----------------------------|--------------------------------|------------------|
| Arhar (Variety-<br>LRG-52)                     | i) Critical input                        | 80000.00                    | 79400.00                       | 600.00           |
|  | ii) TA/DA/POL etc. for<br>monitoring     | 10000.00                    | 800.00                         | 9200.00          |
|  | iii) Extension Activities (Field<br>day) |                             |                                |                  |
|  | iv) Publication of literature            |                             |                                |                  |
|  | <b>Total</b>                             | <b>90000.00</b>             | <b>80200.00</b>                | <b>9800.00</b>   |











| Thematic Area                         | No. of Courses | No. of Participants |   |   |    |   |   |    |   |   | Grand Total |   |   |  |
|---------------------------------------|----------------|---------------------|---|---|----|---|---|----|---|---|-------------|---|---|--|
|                                       |                | Other               |   |   | SC |   |   | ST |   |   | M           | F | T |  |
|                                       |                | M                   | F | T | M  | F | T | M  | F | T |             |   |   |  |
| organization                          |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| Information networking among farmers  |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| Capacity building for ICT application |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| Management in farm animals            |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| Livestock feed and fodder production  |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| Household food security               |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| Other                                 |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |
| <b>Total</b>                          |                |                     |   |   |    |   |   |    |   |   |             |   |   |  |

#### D) Farmers and farm women (off campus)

| Thematic Area                                 | No. of Courses | No. of Participants |           |            |           |          |           |           |          |           | Grand Total |           |            |  |
|---|----------------|---------------------|-----------|------------|-----------|----------|-----------|-----------|----------|-----------|-------------|-----------|------------|--|
|   |                | Other               |           |            | SC        |          |           | ST        |          |           | M           | F         | T          |  |
|   |                | M                   | F         | T          | M         | F        | T         | M         | F        | T         |             |           |            |  |
| <b>I. Crop Production</b>                     |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Weed Management                               |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Resource Conservation Technologies            |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Cropping Systems                              |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Crop Diversification                          | 2              | 30                  | 0         | 30         | 7         | 0        | 7         | 1         | 0        | 1         | 38          | 0         | 38         |  |
| Integrated Farming                            | 3              | 5                   | 0         | 5          | 14        | 7        | 21        | 37        | 0        | 37        | 56          | 7         | 63         |  |
| Micro irrigation/irrigation                   |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Seed production                               | 1              | 13                  | 0         | 13         | 0         | 0        | 0         | 2         | 0        | 2         | 15          | 0         | 15         |  |
| Nursery management                            |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Integrated Crop Management                    | 3              | 27                  | 0         | 27         | 6         | 0        | 6         | 28        | 5        | 33        | 61          | 5         | 66         |  |
| Soil & water conservation                     |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Integrated nutrient Management                | 2              | 48                  | 10        | 58         | 1         | 0        | 1         | 19        | 3        | 22        | 68          | 13        | 81         |  |
| Production of organic inputs                  |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Others  |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| <b>Total</b>                                  | <b>11</b>      | <b>123</b>          | <b>10</b> | <b>133</b> | <b>28</b> | <b>7</b> | <b>35</b> | <b>87</b> | <b>8</b> | <b>95</b> | <b>238</b>  | <b>25</b> | <b>263</b> |  |
| <b>II. Horticulture</b>                       |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| <b>a) Vegetable Crops</b>                     |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Production of low volume and high value crops |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Off season vegetables                         |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Nursery raising                               |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Exotic vegetables                             |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Export potential vegetables                   |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Grading and standardization                   |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Protective cultivation                        |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Vegetable Cultivation                         | 3              | 36                  | 4         | 40         | 10        | 0        | 10        | 3         | 0        | 3         | 49          | 4         | 53         |  |
| <b>Total (a)</b>                              | <b>3</b>       | <b>36</b>           | <b>4</b>  | <b>40</b>  | <b>10</b> | <b>0</b> | <b>10</b> | <b>3</b>  | <b>0</b> | <b>3</b>  | <b>49</b>   | <b>4</b>  | <b>53</b>  |  |
| <b>b) Fruits</b>                              |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Training and Pruning                          |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Layout and Management of Orchards             |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Cultivation of Fruit                          |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Management of young plants/orchards           |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Rejuvenation of old orchards                  |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Export potential fruits                       |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Micro irrigation systems of orchards          |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| Plant propagation techniques                  | 2              | 31                  | 0         | 31         | 5         | 0        | 5         | 1         | 0        | 1         | 37          | 0         | 37         |  |
| Others  |                |                     |           |            |           |          |           |           |          |           |             |           |            |  |
| <b>Total (b)</b>                              | <b>2</b>       | <b>31</b>           | <b>0</b>  | <b>31</b>  | <b>5</b>  | <b>0</b> | <b>5</b>  | <b>1</b>  | <b>0</b> | <b>1</b>  | <b>37</b>   | <b>0</b>  | <b>37</b>  |  |





| Thematic Area                                       | No. of Courses | No. of Participants |            |            |            |            |            |            |            |            | Grand Total |            |             |
|---|----------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|-------------|
|   |                | Other               |            |            | SC         |            |            | ST         |            |            | M           | F          | T           |
|   |                | M                   | F          | T          | M          | F          | T          | M          | F          | T          |             |            |             |
| Carp fry and fingerling rearing                     |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Composite fish culture                              |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Hatchery management and culture of freshwater prawn |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Breeding and culture of ornamental fishes           |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Portable plastic carp hatchery                      |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Pen culture of fish and prawn                       |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Shrimp farming                                      |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Edible oyster farming                               |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Pearl culture                                       |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Fish processing and value addition                  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Others  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| <b>Total</b>  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| <b>IX. Production of Input at site</b>              |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Seed Production                                     | 2              | 26                  | 5          | 31         | 11         | 2          | 13         | 6          | 0          | 6          | 43          | 7          | 50          |
| Planting material production                        |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Bio agents production                               |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Bio pesticides production                           |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Bio fertilizer production                           |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Vermicompost production                             | 1              | 9                   | 0          | 9          | 4          | 0          | 4          | 1          | 0          | 1          | 14          | 0          | 14          |
| Organic manures production                          |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Production of fry and fingerlings                   |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Production of Beecolonies and wax sheets            |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Small tools and implements                          |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Production of livestock feed and fodder             |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Production of Fish feed                             |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Mushroom production                                 |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Apiculture  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Others  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| <b>Total</b>  | <b>3</b>       | <b>35</b>           | <b>5</b>   | <b>40</b>  | <b>15</b>  | <b>2</b>   | <b>17</b>  | <b>7</b>   | <b>0</b>   | <b>7</b>   | <b>57</b>   | <b>7</b>   | <b>64</b>   |
| <b>X. Capacity Building and Group Dynamics</b>      |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Leadership development                              | 3              | 13                  | 23         | 36         | 0          | 0          | 0          | 0          | 0          | 0          | 13          | 23         | 36          |
| Group dynamics                                      |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Formation and Management of SHGs                    |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Mobilization of social capital                      |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Entrepreneurial development of farmers/youths       |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| WTO and IPR issues                                  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Capacity Building                                   | 4              | 48                  | 0          | 48         | 10         | 0          | 10         | 30         | 2          | 32         | 88          | 2          | 90          |
| <b>Total</b>  | <b>7</b>       | <b>61</b>           | <b>23</b>  | <b>84</b>  | <b>10</b>  | <b>0</b>   | <b>10</b>  | <b>30</b>  | <b>2</b>   | <b>32</b>  | <b>101</b>  | <b>25</b>  | <b>126</b>  |
| <b>XI. Agro forestry</b>                            |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Production technologies                             |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Nursery management                                  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| Integrated Farming Systems                          | 4              | 3                   | 16         | 19         | 1          | 2          | 3          | 43         | 3          | 46         | 47          | 21         | 68          |
| Others  |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| <b>Total</b>  | <b>4</b>       | <b>3</b>            | <b>16</b>  | <b>19</b>  | <b>1</b>   | <b>2</b>   | <b>3</b>   | <b>43</b>  | <b>3</b>   | <b>46</b>  | <b>47</b>   | <b>21</b>  | <b>68</b>   |
| <b>XII. Others (Pl. Specify)</b>                    |                |                     |            |            |            |            |            |            |            |            |             |            |             |
| <b>GRAND TOTAL</b>                                  | <b>72</b>      | <b>539</b>          | <b>205</b> | <b>744</b> | <b>217</b> | <b>154</b> | <b>371</b> | <b>373</b> | <b>142</b> | <b>515</b> | <b>1129</b> | <b>501</b> | <b>1630</b> |





| Thematic Area                               | No. of Courses | No. of Participants |          |           |           |           |           |           |          |           | Grand Total |           |           |  |
|---|----------------|---------------------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-------------|-----------|-----------|--|
|   |                | Other               |          |           | SC        |           |           | ST        |          |           | M           | F         | T         |  |
|   |                | M                   | F        | T         | M         | F         | T         | M         | F        | T         |             |           |           |  |
| high value crops                            |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Off season vegetables                       | 1              | 5                   | 0        | 5         | 8         | 0         | 8         | 2         | 0        | 2         | 15          | 0         | 15        |  |
| Nursery raising                             |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Exotic vegetables                           |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Export potential vegetables                 |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Grading and standardization                 |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Protective cultivation                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Vegetable Cultivation                       | 4              | 36                  | 4        | 40        | 10        | 0         | 10        | 16        | 0        | 16        | 62          | 4         | 66        |  |
| Total (a)                                   | <b>5</b>       | <b>41</b>           | <b>4</b> | <b>45</b> | <b>18</b> | <b>0</b>  | <b>18</b> | <b>18</b> | <b>0</b> | <b>18</b> | <b>77</b>   | <b>4</b>  | <b>81</b> |  |
| <b>b) Fruits</b>                            |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Training and Pruning                        |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Layout and Management of Orchards           |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Cultivation of Fruit                        |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Management of young plants/orchards         |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Rejuvenation of old orchards                |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Export potential fruits                     |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Micro irrigation systems of orchards        |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Plant propagation techniques                | 2              | 31                  | 0        | 31        | 5         | 0         | 5         | 1         | 0        | 1         | 37          | 0         | 37        |  |
| Others                                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Total (b)                                   | <b>2</b>       | <b>31</b>           | <b>0</b> | <b>31</b> | <b>5</b>  | <b>0</b>  | <b>5</b>  | <b>1</b>  | <b>0</b> | <b>1</b>  | <b>37</b>   | <b>0</b>  | <b>37</b> |  |
| <b>c) Ornamental Plants</b>                 |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Nursery Management                          |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Management of potted plants                 | 1              | 12                  | 0        | 12        | 0         | 0         | 0         | 0         | 0        | 0         | 12          | 0         | 12        |  |
| Export potential of ornamental plants       |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Propagation techniques of Ornamental Plants |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Others                                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Total (c)                                   | <b>1</b>       | <b>12</b>           | <b>0</b> | <b>12</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>12</b>   | <b>0</b>  | <b>12</b> |  |
| <b>d) Plantation crops</b>                  |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Production and Management technology        |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Processing and value addition               |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Others                                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Total (d)                                   |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| <b>e) Tuber crops</b>                       |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Production and Management technology        | 1              | 0                   | 0        | 0         | 0         | 15        | 15        | 0         | 0        | 0         | 0           | 15        | 15        |  |
| Processing and value addition               |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Others                                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Total (e)                                   | <b>1</b>       | <b>0</b>            | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>15</b> | <b>15</b> | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>0</b>    | <b>15</b> | <b>15</b> |  |
| <b>f) Spices</b>                            |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Production and Management technology        |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Processing and value addition               | 1              | 0                   | 0        | 0         | 0         | 0         | 0         | 10        | 0        | 10        | 10          | 0         | 10        |  |
| Others                                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Total (f)                                   | <b>1</b>       | <b>0</b>            | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>10</b> | <b>0</b> | <b>10</b> | <b>10</b>   | <b>0</b>  | <b>10</b> |  |
| <b>g) Medicinal and Aromatic Plants</b>     |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Nursery management                          | 1              | 3                   | 1        | 4         | 6         | 0         | 6         | 0         | 0        | 0         | 9           | 1         | 10        |  |
| Production and management technology        |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Post harvest technology and value addition  |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Others                                      |                |                     |          |           |           |           |           |           |          |           |             |           |           |  |
| Total (g)                                   | <b>1</b>       | <b>3</b>            | <b>1</b> | <b>4</b>  | <b>6</b>  | <b>0</b>  | <b>6</b>  | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>9</b>    | <b>1</b>  | <b>10</b> |  |







| Thematic Area                          | No. of Courses | No. of Participants |          |          |          |          |          |          |          |          | Grand Total |          |           |  |
|--|----------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|-----------|--|
|  |                | Other               |          |          | SC       |          |          | ST       |          |          | M           | F        | T         |  |
|  |                | M                   | F        | T        | M        | F        | T        | M        | F        | T        |             |          |           |  |
| Piggery                                |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Rabbit farming                         |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Poultry production                     |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Ornamental fisheries                   |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Composite fish culture                 |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Freshwater prawn culture               |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Shrimp farming                         |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Pearl culture                          |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Cold water fisheries                   |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Fish harvest and processing technology |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Fry and fingerling rearing             |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| Others                                 |                |                     |          |          |          |          |          |          |          |          |             |          |           |  |
| <b>Total</b>                           | <b>01</b>      | <b>4</b>            | <b>5</b> | <b>9</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>4</b>    | <b>6</b> | <b>10</b> |  |

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

| Thematic Area   | No. of Courses | No. of Participants |          |           |          |          |          |          |          |          | Grand Total |          |           |  |
|---|----------------|---------------------|----------|-----------|----------|----------|----------|----------|----------|----------|-------------|----------|-----------|--|
|   |                | Other               |          |           | SC       |          |          | ST       |          |          | M           | F        | T         |  |
|   |                | M                   | F        | T         | M        | F        | T        | M        | F        | T        |             |          |           |  |
| Productivity enhancement in field crops               |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Integrated Pest Management                            |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Integrated Nutrient management                        |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Rejuvenation of old orchards                          |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Protected cultivation technology                      |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Production and use of organic inputs                  | 1              | 4                   | 0        | 4         | 0        | 0        | 0        | 0        | 0        | 0        | 4           | 0        | 4         |  |
| Care and maintenance of farm machinery and implements | 1              | 13                  | 2        | 15        | 4        | 0        | 4        | 3        | 0        | 3        | 20          | 2        | 22        |  |
| Gender mainstreaming through SHGs                     |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Formation and Management of SHGs                      |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Women and Child care                                  |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Low cost and nutrient efficient diet designing        |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Group Dynamics and farmers organization               |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Information networking among farmers                  |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Capacity building for ICT application                 |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Management in farm animals                            |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Livestock feed and fodder production                  |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Household food security                               |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| Other   |                |                     |          |           |          |          |          |          |          |          |             |          |           |  |
| <b>Total</b>  | <b>2</b>       | <b>17</b>           | <b>2</b> | <b>19</b> | <b>4</b> | <b>0</b> | <b>4</b> | <b>3</b> | <b>0</b> | <b>3</b> | <b>24</b>   | <b>2</b> | <b>26</b> |  |

*Details of training programmes as Annexure in the proforma given below*

| Discipline       | Clientele | Title of the training programme  | Duration in days | Venue (Off / On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|------------------|-----------|--|------------------|-------------------------|------------------------|--------|-------|-----------------|--------|-------|
|                  |           |  |                  |                         | Male                   | Female | Total | Male            | Female | Total |
| Soil Science(LT) | PF/FW     | Judicious use of fertilizer in vegetable cultivation                             | 1                | Off                     | 8                      | 11     | 19    | 8               | 11     | 19    |
| Horticulture     | PF/FW     | Training on "Marigold Cultivation".  | 1                | Off                     | 0                      | 15     | 15    | 0               | 15     | 15    |
| Horticulture     | PF/FW     | Training on "PGRs on Bittergourd Cultivation".                                   | 1                | Off                     | 15                     | 0      | 15    | 0               | 0      | 0     |
| Agril.Extn       | PF/FW     | Training on promotion of farmers club and SHG for better income generation       | 1                | Off                     | 19                     | 1      | 20    | 18              | 1      | 19    |
| Soil Science(LT) | PF/FW     | Application of micronutrients in vegetable cultivation                           | 1                | Off                     | 19                     | 1      | 20    | 17              | 1      | 18    |
| Plant Protection | PF/FW     | Management of insect pest and Disease of Potato & Brinjal.                       | 1                | Off                     | 17                     | 13     | 30    | 17              | 13     | 30    |
| Soil Science(LT) | PF/FW     | Vermi composting   | 1                | Off                     | 14                     | 0      | 14    | 5               | 0      | 5     |
| Agril.Engg       | PF/FW     | Orientation training on use of improved agril implements for crop production     | 1                | Off                     | 10                     | 4      | 14    | 10              | 4      | 14    |
| Agril.Extn       | PF/FW     | Training on Awareness on Different State and central Govt schemes                | 1                | Off                     | 0                      | 10     | 10    | 0               | 0      | 0     |
| Plant Protection | PF/FW     | Management of insect pest and Disease of Major Cole crops grown in the district. | 1                | Off                     | 18                     | 14     | 32    | 5               | 6      | 11    |
| Agril.Extn       | PF/FW     | Scientific Package of practices of Pulse Cultivation                             | 1                | Off                     | 11                     | 7      | 18    | 0               | 2      | 2     |
| Agril.Extn       | PF/FW     | Training under FLD on Application of Nimacin for controlling aphid in mustard.   | 1                | Off                     | 32                     | 0      | 32    | 17              | 0      | 17    |
| Soil Science(LT) | PF/FW     | Preparation of organic manure  | 1                | Off                     | 13                     | 0      | 13    | 5               | 0      | 5     |
| Agril.Engg       | PF/FW     | Use and Maintenance of Conservation Tillage tools and Machineries                | 1                | Off                     | 10                     | 0      | 10    | 10              | 0      | 10    |
| Horticulture     | PF/FW     | Organic Vegetable Cultivation  | 1                | Off                     | 20                     | 0      | 20    | 13              | 0      | 13    |
| Plant Protection | PF/FW     | Management of insect pest and disease of Mustard.                                | 1                | Off                     | 22                     | 12     | 34    | 7               | 5      | 12    |
| Agril.Extn       | PF/FW     | Application of ICT in agriculture  | 1                | Off                     | 19                     | 0      | 19    | 0               | 0      | 0     |
| Plant Protection | PF/FW     | Management of insect pest and disease of Boro Paddy.                             | 1                | Off                     | 28                     | 0      | 28    | 1               | 0      | 1     |
| Agril.Engg       | PF/FW     | Use and Maintenance of Farm Power and machinery for optimal use of resource base | 1                | Off                     | 17                     | 0      | 17    | 7               | 0      | 7     |
| Soil Science(LT) | PF/FW     | Balanced fertilizer application in vegetable fields                              | 1                | Off                     | 15                     | 0      | 15    | 5               | 0      | 5     |
| Agril.Engg       | PF/FW     | Land treatment Practices on Watershed Basis                                      | 1                | Off                     | 21                     | 0      | 21    | 0               | 0      | 0     |

|                  |       |  |   |     |    |    |     |    |    |    |
|------------------|-------|--|---|-----|----|----|-----|----|----|----|
| Agril.Engg       | PF/FW | Gender Friendly Farm Implements and Machineries  | 1 | Off | 0  | 23 | 23  | 0  | 1  | 1  |
| Agril.Extn       | PF/FW | Training on Production Enhancement through Integrated Farming System   | 1 | Off | 9  | 1  | 10  | 9  | 1  | 10 |
| Horticulture     | PF/FW | Training on "Commercial Cultivation of some spices crops"  | 1 | Off | 10 | 0  | 10  | 10 | 0  | 10 |
| Agril.Engg       | EF    | Troubleshooting and remedial measures on use and maintenance of zero tillage farm implement and farm resources | 1 | Off | 20 | 2  | 22  | 7  | 0  | 7  |
| Soil Science(LT) | PF/FW | Soil sample collection and soil testing for crop production  | 1 | Off | 16 | 4  | 20  | 7  | 1  | 8  |
| Agril.Engg       | PF/FW | Promotion and production of marketable agricultural produce and Post Harvest Technology and Management         | 1 | Off | 14 | 0  | 14  | 3  | 0  | 3  |
| Soil Science(LT) | PF/FW | Balanced fertilizer application in vegetable fields  | 1 | Off | 8  | 6  | 14  | 3  | 3  | 6  |
| Soil Science(LT) | PF/FW | Awareness and training programme on natural farming  | 1 | Off | 14 | 28 | 42  | 14 | 28 | 42 |
| Soil Science(LT) | PF/FW | Awareness and training programme on natural farming  | 1 | Off | 23 | 15 | 38  | 21 | 15 | 36 |
| Soil Science(LT) | PF/FW | Awareness and training programme on natural farming  | 1 | Off | 0  | 39 | 39  | 0  | 0  | 0  |
| Soil Science(LT) | PF/FW | Balanced fertilizer application in vegetable fields  | 1 | Off | 7  | 28 | 35  | 5  | 25 | 30 |
| Agril.Engg       | PF/FW | Mulching and Waspadan Technique of ZBNF  | 1 | Off | 10 | 5  | 15  | 10 | 5  | 15 |
| Agril.Engg       | PF/FW | Mulching and insita moisture conservation Technique  | 1 | Off | 14 | 2  | 16  | 0  | 0  | 0  |
| Soil Science(LT) | PF/FW | Management of problematic soil   | 1 | Off | 51 | 54 | 105 | 0  | 0  | 0  |
| Agronomy         | PF/FW | Intercultural operation of Sesamum and distribution of micro nutrient (Boron)                                  | 1 | Off | 15 | 0  | 15  | 0  | 0  | 0  |
| Agronomy         | PF/FW | Cultivation practices of Arhar   | 1 | Off | 24 | 5  | 29  | 18 | 5  | 23 |
| Horticulture     | PF/FW | Propagation Techniques of some fruit plants.   | 1 | Off | 20 | 0  | 20  | 1  | 0  | 1  |
| Agril.Engg       | PF/FW | Use of Improved Agril. Equipment and machineries for minimizing input cost of cultivation                      | 1 | Off | 25 | 5  | 30  | 13 | 5  | 18 |
| Agril.Extn       | PF/FW | Formation and management of Farm science Club for GAP  | 1 | Off | 10 | 1  | 11  | 10 | 1  | 11 |
| Horticulture     | PF/FW | Propagation Techniques of some fruit plants.   | 1 | Off | 17 | 0  | 17  | 5  | 0  | 5  |
| Soil Science(LT) | PF/FW | Improved technique of vermi compost preparation  | 1 | Off | 6  | 4  | 10  | 2  | 4  | 6  |

|                  |       |   |   |     |    |   |    |    |   |    |
|------------------|-------|---|---|-----|----|---|----|----|---|----|
| Agronomy         | PF/FW | Management practices of Sesamum   | 1 | Off | 13 | 0 | 13 | 4  | 0 | 4  |
| Agril.Extn       | PF/FW | Formation and management of FPO/FPC for more business opportunity                                   | 1 | Off | 40 | 0 | 40 | 12 | 0 | 12 |
| Soil Science     | PF/FW | Procedure of Production of Vermicompost and Farm Yard Manure  | 1 | Off | 7  | 5 | 12 | 0  | 2 | 2  |
| Horticulture     | PF/FW | Commercial Cultivation and Management of EFY  | 1 | On  | 12 | 0 | 12 | 0  | 0 | 0  |
| Agronomy         | PF/FW | Cultivation practices of black gram   | 1 | On  | 10 | 1 | 11 | 5  | 0 | 5  |
| Agronomy         | PF/FW | Production practices of maize   | 1 | On  | 12 | 0 | 12 | 1  | 0 | 1  |
| Agronomy         | PF/FW | Cultivation practices of Aman Paddy   | 1 | On  | 12 | 0 | 12 | 12 | 0 | 12 |
| Horticulture     | PF/FW | Kharif Onion Cultivation  | 1 | On  | 15 | 0 | 15 | 10 | 0 | 10 |
| Agril.Engg       | PF/FW | use and maintenance of Conoweeder and Groundnut Decorticators through Users' Group under FSc.Club   | 1 | On  | 17 | 0 | 17 | 9  | 0 | 9  |
| Agril.Engg       | PF/FW | use and maintenance of Conoweeder and Battery-operated Sprayers through Users' Group under FSc.Club | 1 | On  | 15 | 0 | 15 | 15 | 0 | 15 |
| Horticulture     | PF/FW | Organic Vegetable Cultivation   | 1 | On  | 13 | 0 | 13 | 13 | 0 | 13 |
| Agronomy         | PF/FW | Production practices of Jute & advance technologies of Jute   | 1 | On  | 22 | 0 | 22 | 0  | 0 | 0  |
| Agril.Extn       | PF/FW | Scientific cultivation of vegetables  | 1 | On  | 15 | 0 | 15 | 15 | 0 | 15 |
| Soil Science     | PF/FW | Efficient nutrient management in the cultivation of Kharif paddy.                                   | 1 | Off | 15 | 0 | 15 | 10 | 0 | 10 |
| Soil Science(LT) | PF/FW | Improved technique of vermi compost preparation   | 1 | Off | 15 | 0 | 15 | 10 | 0 | 10 |
| Agronomy         | PF/FW | Judicious application of micro nutrient (Zinc) in Aman Rice   | 1 | Off | 23 | 0 | 23 | 8  | 0 | 8  |
| Soil Science(LT) | PF/FW | Micronutrient application in <i>kharif</i> paddy  | 1 | Off | 11 | 9 | 20 | 11 | 9 | 20 |
| Agril.Engg       | PF/FW | Protected Farming for Nursery raising   | 1 | On  | 2  | 4 | 6  | 0  | 0 | 0  |
| Soil Science     | PF/FW | The efficient nutrient management in the cultivation of vegetables                                  | 1 | Off | 11 | 9 | 20 | 11 | 9 | 20 |
| Horticulture     | RY    | Nursery Management  | 1 | On  | 4  | 6 | 10 | 0  | 1 | 1  |
| Agronomy         | PF/FW | Cultivation practices of Aman Paddy   | 1 | On  | 13 | 0 | 13 | 0  | 0 | 0  |
| Agronomy         | PF/FW | SRI Rice Cultivation  | 1 | Off | 24 | 0 | 24 | 12 | 0 | 12 |
| Agril.Engg       | PF/FW | Use and maintenance of Conoweeder and Battery-operated Sprayers through Users' Group under FSc.Club | 1 | On  | 17 | 0 | 17 | 11 | 0 | 11 |
| Agril.Engg       | PF/FW | Use and maintenance of Battery-operated Sprayers, Conoweeder as Users' Group under FSc.Club         | 1 | On  | 20 | 0 | 20 | 13 | 0 | 13 |

|                  |       |  |   |     |    |    |    |    |   |    |
|------------------|-------|--|---|-----|----|----|----|----|---|----|
| Agril.Extn       | PF/FW | Awareness on Nutritional kitchen garden among the Farm Women   | 1 | Off | 0  | 20 | 20 | 0  | 4 | 4  |
| Agronomy         | PF/FW | Cultivation practices of Arhar   | 1 | On  | 12 | 0  | 12 | 10 | 0 | 10 |
| Agril.Engg       | PF/FW | Use and maintenance of Battery-operated Sprayers, Conoweeder as Users' Group under FSc.Club                      | 1 | On  | 15 | 9  | 24 | 8  | 4 | 12 |
| Agronomy         | PF/FW | Cultivation practices of Arhar   | 1 | On  | 13 | 0  | 13 | 0  | 0 | 0  |
| Agronomy         | PF/FW | Training program on "Cultivation practices of Arhar"   | 1 | Off | 57 | 13 | 70 | 9  | 3 | 12 |
| Agronomy         | PF/FW | Training program on "Cultivation practices of Arhar"   | 1 | On  | 13 | 0  | 13 | 2  | 0 | 2  |
| Soil Science     | PF/FW | Training on the efficient use of Organic Inputs like Azolla on the cultivation of Rice                           | 1 | Off | 9  | 1  | 10 | 6  | 0 | 6  |
| Agril.Extn       | PF/FW | Training on awareness of ICT technology in agriculture   | 1 | Off | 13 | 0  | 13 | 0  | 0 | 0  |
| Soil Science     | PF/FW | Training on the nutrient management in Vegetable crops   | 1 | Off | 9  | 1  | 10 | 6  | 0 | 6  |
| Soil Science     | EF    | Training on Agri-preneurship on Vermicompost Production  | 1 | Off | 4  | 0  | 4  | 0  | 0 | 0  |
| Agril.Extn       | PF/FW | Group dynamics and Leadership formation  | 1 | On  | 8  | 0  | 8  | 0  | 0 | 0  |
| Agril.Engg       | PF/FW | Orientation Training programme on Use of Paddy Production Machinery and tools                                    | 1 | On  | 15 | 0  | 15 | 2  | 0 | 2  |
| Agril.Extn       | PF/FW | Training on Awareness of SHG groups for better income generation   | 1 | Off | 0  | 13 | 13 | 0  | 0 | 0  |
| Soil Science(LT) | PF/FW | Soil health management in vegetable cultivation  | 1 | Off | 8  | 7  | 15 | 8  | 7 | 15 |
| Horticulture     | PF/FW | Kitchen Garden Development   | 1 | Off | 14 | 4  | 18 | 0  | 0 | 0  |
| Agronomy         | PF/FW | Integrated Farming System (IFS)  | 1 | Off | 14 | 7  | 21 | 14 | 7 | 21 |
| Agril.Engg       | PF/FW | Adaptation of Gender Friendly Farm Implements and Equipment  | 1 | Off | 14 | 3  | 17 | 14 | 3 | 17 |
| Agronomy         | PF/FW | Integrated Farming System (IFS)  | 1 | Off | 23 | 0  | 23 | 19 | 0 | 19 |
| Soil Science(LT) | PF/FW | Nutrient management in vegetable cultivation   | 1 | Off | 15 | 0  | 15 | 11 | 0 | 11 |
| Agril.Extn       | PF/FW | Promotion and upliftment of Farm Science club  | 1 | Off | 19 | 0  | 19 | 17 | 0 | 17 |
| Agronomy         | PF/FW | Integrated Farming System (IFS)  | 1 | Off | 19 | 0  | 19 | 18 | 0 | 18 |
| Agril.Extn       | PF/FW | Good agricultural practices  | 1 | Off | 19 | 0  | 19 | 18 | 0 | 18 |
| Agril.Engg       | PF/FW | Orientation Training programme on Use of Paddy Production Machinery and tools its operation and management (CHC) | 1 | Off | 14 | 0  | 14 | 14 | 0 | 14 |













## Production of livestock materials

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

**3.5. b. Seed Hub Programme-“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”**

i) Name of Seed Hub Centre:

|                         |  |
|-------------------------|--|
| Name of Nodal Officer : |  |
| Address :               |  |
| e-mail :                |  |
| Phone No. :<br>Mobile : |  |

## ii) Quality Seed Production Reports

| Season             | Crop | Variety | Production (q) |                |            |                             |
|--------------------|------|---------|----------------|----------------|------------|-----------------------------|
|                    |      |         | Target         | Area sown (ha) | Production | Category of Seed (F/S, C/S) |
| Kharif 2022        |      |         |                |                |            |                             |
| Rabi 2020-21       |      |         |                |                |            |                             |
| Summer/Spring 2022 |      |         |                |                |            |                             |
| Kharif 2022        |      |         |                |                |            |                             |
| Rabi 2021-2022     |      |         |                |                |            |                             |

## iii) Financial Progress

| Fund received (2019-20, 2020-21, 2021-22 and 2022-23) | Expenditure (Rs. in lakhs) |                | Unspent balance (Rs. in lakhs) | Remarks |
|---|----------------------------|----------------|--------------------------------|---------|
|   | Infrastructure             | Revolving fund |                                |         |
| 2019-20   |                            |                |                                |         |
| 2020-21   |                            |                |                                |         |
| 2021-22   |                            |                |                                |         |
| 2022-23   |                            |                |                                |         |

## iv) Infrastructure Development

| Item                   | Progress |
|------------------------|----------|
| Seed processing unit   |          |
| Seed storage structure |          |

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

| Item                                | Title | Author's name | Number | Circulation |
|-------------------------------------|-------|---------------|--------|-------------|
| Research paper                      |       |               |        |             |
| Seminar/conference/ symposia papers |       |               |        |             |
| Books                               |       |               |        |             |
| Leaflets                            |       |               |        |             |
| Bulletins                           |       |               |        |             |
| News letter                         |       |               |        |             |
| Popular Articles                    |       |               |        |             |
| Book Chapter                        |       |               |        |             |
| Extension Pamphlets/ literature     |       |               |        |             |
| Technical reports                   |       |               |        |             |
| Electronic Publication (CD/DVD etc) |       |               |        |             |
| TOTAL                               |       |               |        |             |

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

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

| Sl. No. | Name of programme            | Name of course  | Name of KVK personnel and designation | Date and Duration                                  | Organized by                   |
|---------|------------------------------|---|---------------------------------------|--|--------------------------------|
| 1.      | HRD Training                 | Recent Development in Agriculture                             | Dr. Milan Kanti Kundu                 | 17-18 November, 2022.<br>2days                     | DEE, BCKV                      |
| 2.      | ICAR Sponsored Winter School | Advances in the Organic Production System in Sikkim Himalayas | Dr. Srabani Das                       | 21 <sup>st</sup> Nov to 11 <sup>th</sup> Dec, 2022 | ICAR RC for NEH Region, Sikkim |
| 3.      | HRD Training                 | Action plan workshop on Natural Farming                       | Mr. Sayak Das                         | 29 <sup>th</sup> November 2022 1 Day               | SSKVK, Narendrapur             |
| 4.      | HRD Training                 | Outscaling of Natural Farming through 425 KVKs                | Mr. Sayak Das                         | 3 <sup>rd</sup> December 2022 1Day                 | RVSKVV Gwalior                 |
| 5.      | HRD Training                 | Training and hands on practice in Natural Farming             | Mr. Sayak Das                         | 12-13 <sup>th</sup> December, 2022 2Days           | Gurukul, Kurukshetra           |

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)

#### **Progressive Farmers' Details**

1. **Name of the Farmer** :Prasenjit Bag
2. **Address** :, Vill- Kakatpal, P.O.- Harda, Block – Binpur-2, Dist- Jhargram, Pin 721504
3. **Age** :31 year
4. **Contact no. & email id** : 9564327160
5. **Educational qualification** : Graduation
6. **Land holding** :2 ha
7. **Title of the success story** :Arhar cultivation in upland of Red Lateritic Zone of Jhargram. (Variety- LRG-52, Season- Pre Kharif-2022-23, Situation-Rainfed)
8. **Background information** :The land was fallow in pre-kharif season in every year. The cropping intensity was zero.
9. **Intervention of the KVK** :Afterintervention of Jhargram KVK he harvested the crop after 4 months and received the yield 14 q/ha. Value was Rs 116600 the, Expenditure-54200.Net income received Rs. 62400. The B.C ratio was calculated 2.15:1.
10. **Coverage/ Impact of training /activity** :The training on scientific cultivation practices of arhar was provided to the farmer andfrequent monitoring to the farmer's field was conducted by Jhargram KVK throughout the season.
11. **Horizontal Spread** :Neighbouring farmers of the different adjacent villages were followed and adopted this technique by seeing the results of the present practice being discussed.
12. **Appreciation/Award if any** :
13. **Activity photograph** :





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

| Sl. No. | Name/ Title of the technology | Name/ Details of the Innovator(s) | Brief details of the Innovative Technology |
|---------|-------------------------------|-----------------------------------|--|
|         |                               |                                   |  |

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

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

b. Give details of organic farming practiced by the farmer

| Sl. No. | Crop / Enterprise | Area (ha)/ No. covered | Production | No. of farmers involved | Market available (Y/N) |
|---------|-------------------|------------------------|------------|-------------------------|------------------------|
|         |                   |                        |            |                         |                        |

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

| Sl. No. | Brief details of the tool/ methodology followed | Purpose for which the tool was followed |
|---------|---|---|
|         |   |   |

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

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

## 3.11.b. Details of samples analyzed so far :

| Number of soil samples analyzed    |                                 |       | No. of Farmers | No. of Villages | Amount realized (in Rs.) |
|------------------------------------|---------------------------------|-------|----------------|-----------------|--------------------------|
| Through mini soil testing kit/labs | Through soil testing laboratory | Total |                |                 |                          |
| -                                  |                                 |       |                |                 | -                        |
|                                    |                                 |       |                |                 |                          |

## 3.11.c. Details on World Soil Day

| Sl. No. | Activity       | No. of Participants | No. of VIPs | Name (s) of VIP(s) | Number of Soil Health Cards distributed | No. of farmers benefitted |
|---------|----------------|---------------------|-------------|--------------------|---|---------------------------|
| 1       | World Soil Day | 118                 | -           | -                  | -                                       | -                         |

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

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

## 3.13. Technology week celebration

| Type of activities | No. of activities | Number of participants | Related crop/livestock technology |
|--------------------|-------------------|------------------------|-----------------------------------|
|                    |                   |                        |                                   |

## 3.14. RAWE/ FETprogramme - is KVK involved? (Y/N)

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

| ARS trainees trained | No of days stayed |
|----------------------|-------------------|
|                      |                   |

## 3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSahbadipati/Other Head of Organization/Foreigners)

| Date     | Name of the person                               | Purpose of visit |
|----------|--|------------------|
| 06.04.22 | Prof. Umesh Thapa<br>DEE, BCKV                   | Visit to KVK     |
| 06.04.22 | Dr. S.K.Roy<br>Director,ICAR, Zone-V             | Visit to KVK     |
| 06.04.22 | Dr. S.K.Roy<br>ICAR-NBSSLUP, Kolkata             | Visit to KVK     |
| 06.04.22 | Mr. Akash Sharma<br>DDM,NABARD,Paschim Medinipur | Visit to KVK     |
| 06.04.22 | Mr. Ranjit Kumar Dutta<br>LDM, Jhargram          | Visit to KVK     |
| 06.04.22 | Dr. S.Khan , DHO,Jhargram                        | Visit to KVK     |
| 31.05.22 | Arindam Sarkar<br>Asst. Prof, RRS,BCKV,Jhargram  | Visit to KVK     |
| 31.05.22 | Mr. Lakshikanta Singh<br>ADA,Jhargram            | Visit to KVK     |
| 31.05.22 | Mr.Abhijnan Das<br>ADA, Gopiballavpur-I          | Visit to KVK     |
| 31.05.22 | Dr. Mini Poduwal<br>In-Charge, RRS,BCKV,Jhargram | Visit to KVK     |
| 17.10.22 | Mr.Anjan Das<br>ADH,SDHO,Jhargram                | Visit to KVK     |
| 17.10.22 | Mr.Konur Hembram<br>MP,Jhargram                  | Visit to KVK     |
| 17.10.22 | Mr. Ranjit Kumar Dutta<br>LDM, Jhargram          | Visit to KVK     |

## 4. IMPACT

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

| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in income (Rs.) |                  |
|---|---------------------|---------------|------------------------|------------------|
|   |                     |               | Before (Rs./Unit)      | After (Rs./Unit) |
|   |                     |               |                        |                  |
|   |                     |               |                        |                  |

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

## 4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

Give information in the same format as in case studies

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

| Sl. No. | Brief details of technology | Impact of the technology in subjective terms | Impact of the technology in objective terms |
|---------|-----------------------------|--|---|
|         |                             |  |   |

## 4.4. Details of innovations recorded by the KVK

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

## 4.5. Details of entrepreneurship development

|   |  |
|---|--|
| Entrepreneurship development  |  |
| Name of the enterprise  |  |
| Name & complete address of the entrepreneur   |  |
| Role of KVK with quantitative data support:   |  |
| Timeline of the entrepreneurship development  |  |
| Technical Components of the Enterprise  |  |
| Status of entrepreneur before and after the enterprise  |  |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): |  |
| Horizontal spread of enterprise   |  |

## 4.6. Any other initiative taken by the KVK

## 5. LINKAGES

## 5.1. Functional linkage with different organizations

| Name of organization   | Nature of linkage   |
|--|---|
| Director of Agriculture, Paschim Medinipur, ATMA                             | Conducting training, demonstration, farmers scientist interaction, exposure visit, leaflet preparation and organizing Krishi Mela |
| Director of Agriculture, Jhargram, ATMA                                      | Conducting training, demonstration, farmers scientist interaction, exposure visit, leaflet preparation and organizing Krishi Mela |
| RRS, BCKV, Jhargram  | Diagnostic Service, OPP/PPP, OFT - Technical Support  |
| NSC, Midnapore   | Seed Production Programme of Mustard & Paddy  |
| BDO, Jamboni   | Collaborative Training Support  |
| NBSS, LUP, Kolkata   | Training as well as land use information support  |
| Directorate of Food Processing Industry & Horticulture, Govt. of West Bengal | Collaborative Training Support  |
| Directorate of Fisheries   | Collaborative Demonstration Programme, Infrastructure dev.  |
| Directorate of MSME  | Collaborative project of Aromatic Plant   |



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

| Sl. No. | Name of the Product | Qty. (Kg) | Amount (Rs.)   |              | Remarks |
|---------|---------------------|-----------|----------------|--------------|---------|
|         |                     |           | Cost of inputs | Gross income |         |
| 1.      |                     |           |                |              |         |
|         |                     |           |                |              |         |

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

| Sl. No | Name of the animal / bird / aquatics | Details of production |                 |      | Amount (Rs.)   |              | Remarks |
|--------|--------------------------------------|-----------------------|-----------------|------|----------------|--------------|---------|
|        |                                      | Breed                 | Type of Produce | Qty. | Cost of inputs | Gross income |         |
| 1.     |                                      |                       |                 |      |                |              |         |
| 2.     |                                      |                       |                 |      |                |              |         |
| 3.     |                                      |                       |                 |      |                |              |         |

## 6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

## 6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staffquarters:

Date of completion:

Occupancy details:

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

## 7. FINANCIAL PERFORMANCE

## 7.1. Details of KVK Bank accounts

| Bank account                | Name of the bank    | Location | Account Number |
|-----------------------------|---------------------|----------|----------------|
| Jhargram KVK Revolving Fund | State Bank of India | Jhargram | 40770695676    |
| Jhargram KVK Main           | State Bank of India | Jhargram | 40770686468    |

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

| Item | Released by ICAR |      | Expenditure |      | Unspent balance as on 1 <sup>st</sup> April, 2023 |
|------|------------------|------|-------------|------|---|
|      | Kharif           | Rabi | Kharif      | Rabi |   |
|      |                  |      |             |      |   |
|      |                  |      |             |      |   |
|      |                  |      |             |      |   |
|      |                  |      |             |      |   |

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

| Item | Released by ICAR |      | Expenditure |      | Unspent balance as on 1 <sup>st</sup> April 2023 |
|------|------------------|------|-------------|------|--|
|      | Kharif           | Rabi | Kharif      | Rabi |  |
|      |                  |      |             |      |  |
|      |                  |      |             |      |  |

## 7.4. Utilization of KVK funds during the year 2022-23(Not audited)

| Sl. No.                               | Particulars   | Sanctioned            | Released              | Expenditure           |
|---------------------------------------|---|-----------------------|-----------------------|-----------------------|
| <b>A. Recurring Contingencies</b>     |   |                       |                       |                       |
| 1                                     | Pay & Allowances                                      | 1,57,04,000.00        | 1,54,73,785.00        | 1,52,68,045.00        |
| 2                                     | Traveling allowances                                  | 2,50,000.00           | 2,50,000.00           | 2,18,503.00           |
| 3                                     | HRD   | 30,000.00             | 30,000.00             | 4749.00               |
| 3                                     | Contingencies   |                       |                       |                       |
| A                                     | Stationery, Telephone, Postage                        |                       |                       |                       |
| B                                     | POL, Repairing of Vehicle,                            | 3,00,000.00           | 3,00,000.00           | 2,18,842.00           |
| C                                     | Meals/ Refreshment for Training                       |                       |                       |                       |
| D                                     | Training Materials                                    | 1,50,000.00           | 1,50,000.00           | 85,410.00             |
| E                                     | Frontline Demonstration                               | 78,000.00             | 54,845.00             | 9000.00               |
| F                                     | On Farm Testing                                       | 82,000.00             | 54,845.00             | 4982.00               |
| G                                     |   |                       |                       |                       |
| H                                     |   |                       |                       |                       |
| I                                     |   |                       |                       |                       |
| J                                     | SCSP  | 21,00,000.00          | 21,50,333.00          | 3,39,705.00           |
| <b>TOTAL (A)</b>                      |   | <b>1,86,94,000.00</b> | <b>1,84,63,808.00</b> | <b>1,61,49,236.00</b> |
| <b>B. Non-Recurring Contingencies</b> |   |                       |                       |                       |
| 1                                     | Works   |                       |                       |                       |
| 2                                     | Administrative Building (1 <sup>st</sup> Installment) | 50,00,000.00          | 50,00,000.00          | 50,00,000.00          |
| 3                                     | Land Levelling  | 2,00,000.00           | 2,00,000.00           | 2,00,000.00           |
| 4                                     | Farm Pond   | 2,02,000.00           | 2,02,000.00           | 2,00,000.00           |
|                                       | Implement Shed  | 3,05,000.00           | 3,05,000.00           | 3,00,000.00           |
|                                       | Library   | 10,000.00             | 10,000.00             | -                     |
| <b>TOTAL (B)</b>                      |   | <b>57,17,000.00</b>   | <b>57,17,000.00</b>   | <b>57,00,000.00</b>   |
| <b>C. REVOLVING FUND</b>              |   |                       |                       |                       |
| <b>GRAND TOTAL (A+B+C)</b>            |   | <b>2,44,11,000.00</b> | <b>2,41,80,808.00</b> | <b>2,18,49,236.00</b> |

## 7.5. Status of revolving fund (Rs. in lakh) for last three years

| Year    | Opening balance as on 1 <sup>st</sup> April | Income during the year | Expenditure during the year | Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash) |
|---------|---|------------------------|-----------------------------|--|
| 2018-19 |   |                        |                             |  |
| 2019-20 |   |                        |                             |  |
| 2020-21 |   |                        |                             |  |
| 2021-22 | 0.00  | 0.00                   | 0.00                        | 0.00   |
| 2022-23 | 0.00  | 0.00                   | 0.00                        | 0.00   |

7.6. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

(iii) Details of marketing channels created for the SHGs

## 7.7. Joint activity carried out with line departments and ATMA

| Name of activity | Number of activity | Season | With line department | With ATMA | With both |
|------------------|--------------------|--------|----------------------|-----------|-----------|
|                  |                    |        |                      |           |           |
|                  |                    |        |                      |           |           |

## 8. Other information

## 8.1. Prevalent diseases in Crops

| Name of the disease | Crop | Date of outbreak | Area affected (in ha) | % Commodity loss | Preventive measures taken for area (in ha) |
|---------------------|------|------------------|-----------------------|------------------|--|
|                     |      |                  |                       |                  |  |
|                     |      |                  |                       |                  |  |
|                     |      |                  |                       |                  |  |
|                     |      |                  |                       |                  |  |

## 8.2. Prevalent diseases in Livestock/Fishery

| Name of the disease | Species affected | Date of outbreak | Number of death/<br>Morbidity rate (%) | Number of animals vaccinated | Preventive measures taken in pond (in ha) |
|---------------------|------------------|------------------|--|------------------------------|---|
|                     |                  |                  |  |                              |   |
|                     |                  |                  |  |                              |   |

## 9.1. Nehru YuvaKendra(NYK) Training

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

## 9.2. PPV &amp; FR Sensitization training Programme

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

## 9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

| Type of message      | No. of messages | No. of farmers covered |
|----------------------|-----------------|------------------------|
| Crop                 | 10              | 135668                 |
| Livestock            |                 |                        |
| Fishery              |                 |                        |
| Weather              |                 |                        |
| Marketing            |                 |                        |
| Awareness            |                 |                        |
| Training information |                 |                        |
| Other                |                 |                        |
| <b>Total</b>         | 10              | 135668                 |

## 9.4. KVK Portal and Mobile App

| Sl. No. | Particulars                                | Description |
|---------|--|-------------|
| 1.      | No. of visitors visited the portal         |             |
| 2.      | No. of farmers registered in the portal    | 2457        |
| 3.      | Mobile Apps developed by KVK               |             |
| 4.      | Name of the App                            |             |
| 5.      | Language of the App                        |             |
| 6.      | Meant for crop/ livestock/ fishery/ others |             |
| 7.      | No. of times downloaded                    |             |

## 9.5. a. Observation of Swachh Bharat Programme

| Date/ Duration of Observation | Activities undertaken   |
|-------------------------------|---|
| 10.10.2022                    | Swachhata activity was done at katchara village with 19 nos of farmers to keep clean and clear surrounding the village and a discussion also made about the significance of the day.  |
| 18.10.2022                    | Swachhata activity was performed at Nachda village with the presence of 20 nos of school children at school premises of Nachda . Many activity was performed like cleaning of school premises, cleaning of classroom and then an interactive session on importance of Swachhata abhiyaan was discussed by the present scientist and teachers. |
| 19.10.2022                    | Special swachhata campaign was performed at Jhargram KVK on its own campus by cleaning of surroundings of the KVK by the present staff and others to keep it clean and clear.   |
| 20.10.2022                    | Swachhata activity was performed at Nuniakundri village with the presence of farmers. Cleaning of house, roads and village surroundings was done with the presence of 10 nos of farmers.  |
| 21.10.2022                    | Swachhata activity was performed at Birjamda village with the presence of 22 nos of farmers. Surrounding of the villages, houses and club surroundings was also cleared by the present farmers  |

## b. Details of Swachhta activities with expenditure

| Activities   | Number | Expenditure (in Rs.) |
|--|--------|----------------------|
| 1. Digitization of office records/ e-office  |        |                      |
| 2. Basic maintenance   |        |                      |
| 3. Sanitation and SBM  |        |                      |
| 4. Cleaning and beautification of surrounding areas  |        |                      |
| 5. Vermicomposting/<br>Composting of biodegradable waste management & other activities on generate of wealth for waste |        |                      |
| 6. Used water for agriculture/ horticulture application  |        |                      |
| 7. Swachhta Awareness at local level   |        |                      |
| 8. Swachhta Workshops  |        |                      |
| 9. Swachhta Pledge   |        |                      |

|   |  |  |
|---|--|--|
| 10. Display and Banner  |  |  |
| 11. Foster healthy competition  |  |  |
| 12. Involvement of print and electronic media   |  |  |
| 13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village) |  |  |
| 14. No of Staff members involved in the activities  |  |  |
| 15. No of VIP/VVIPs involved in the activities  |  |  |
| 16. Any other specific activity (in details)  |  |  |
| <b>Total</b>  |  |  |

## 9.6. Observation of National Science day

| Date of Observation | Activities undertaken |
|---------------------|-----------------------|
|                     |                       |

## 9.7. Programme with SeemaSurakshaBal/ BSF

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

## 9.8. Agriculture Knowledge in rural school

| Name and address of school | Date of visit to school | Areas covered | Teaching aids used |
|----------------------------|-------------------------|---------------|--------------------|
|                            |                         |               |                    |

Give good quality 1-2 photograph(s)

## 9.9. Details of 'Pre-Rabi Campaign' Programme

| Date of programme | No. of Union Ministers attended the programme | No. of Hon'ble MPs (Loksabha/Rajyasabha) participated | No. of State Govt. Ministers | Participants (No.)          |                        |                      |                |         |                                   |       | Covera ge by Door Darshan (Yes/No) | Covera ge by other channels (Number) |
|-------------------|---|---|------------------------------|-----------------------------|------------------------|----------------------|----------------|---------|-----------------------------------|-------|------------------------------------|--------------------------------------|
|                   |   |   |                              | MLAs Attended the programme | Chairman ZilaPanchayat | Distt. Collector/ DM | Bank Officials | Farmers | Govt. Officials, PRI members etc. | Total |                                    |                                      |
|                   |   |   |                              |                             |                        |                      |                |         |                                   |       |                                    |                                      |

## 9.10. Details of Swachhta Hi Suraksha programme organized

| Sl. No. | Activity | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
|---------|----------|--------------------------|---------------------|-------------|--------------------|
|         |          |                          |                     |             |                    |

## 9.11. Details of MahilaKisan Divas programme organized

| Sl. No. | Activity | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
|---------|----------|--------------------------|---------------------|-------------|--------------------|
|         |          |                          |                     |             |                    |

## 9.12. No. of Progressive/Innovative/Lead farmer identified (category wise)

| Sl. No. | Name of Farmer | Address of the farmer with contact no. | Innovation/ Leading in enterprise |
|---------|----------------|--|-----------------------------------|
|         |                |  |                                   |

## 9.13. Revenue generation

| Sl.No. | Name of Head | Income(Rs.) | Sponsoring agency |
|--------|--------------|-------------|-------------------|
| 1.     |              |             |                   |
| 2.     |              |             |                   |
| 3.     |              |             |                   |

## 9.14. Resource Generation:

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

## 9.15. Performance of Automatic Weather Station in KVK

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

## 9.16. Contingent crop planning

| Name of the state | Name of district/KVK | Thematic area | Number of programmes organized | Number of Farmers contacted | A brief about contingent plan executed by the KVK |
|-------------------|----------------------|---------------|--------------------------------|-----------------------------|---|
|                   |                      |               |                                |                             |   |

## 10. Report on Cereal Systems Initiative for South Asia (CSISA)

a) Year:

b) Introduction / General Information:

|                 | Title | Objective | Treatment details | Date of sowing | Replication | Result with photographs |
|-----------------|-------|-----------|-------------------|----------------|-------------|-------------------------|
| Experiment 1    |       |           |                   |                |             |                         |
| Experiment 2    |       |           |                   |                |             |                         |
| Experiment 3    |       |           |                   |                |             |                         |
| ...             |       |           |                   |                |             |                         |
| ..              |       |           |                   |                |             |                         |
| Others (If any) |       |           |                   |                |             |                         |



## Crop Management

| Name of intervention undertaken | Area (ha) | No of farmers covered / benefitted |   |    |   |       |   |       |   |   |  | Remarks |
|---------------------------------|-----------|------------------------------------|---|----|---|-------|---|-------|---|---|--|---------|
|                                 |           | SC                                 |   | ST |   | Other |   | Total |   |   |  |         |
|                                 |           | M                                  | F | M  | F | M     | F | M     | F | T |  |         |
|                                 |           |                                    |   |    |   |       |   |       |   |   |  |         |

## Livestock and fisheries

| Name of intervention undertaken | Number of animals covered | No of units | Area (ha) | No of farmers covered / benefitted |   |    |   |       |   |       |   |   |  | Remarks |
|---------------------------------|---------------------------|-------------|-----------|------------------------------------|---|----|---|-------|---|-------|---|---|--|---------|
|                                 |                           |             |           | SC                                 |   | ST |   | Other |   | Total |   |   |  |         |
|                                 |                           |             |           | M                                  | F | M  | F | M     | F | M     | F | T |  |         |
|                                 |                           |             |           |                                    |   |    |   |       |   |       |   |   |  |         |

## Institutional interventions

| Name of intervention undertaken | No of units | Area (ha) | No of farmers covered / benefitted |   |    |   |       |   |       |   |   |  | Remarks |
|---------------------------------|-------------|-----------|------------------------------------|---|----|---|-------|---|-------|---|---|--|---------|
|                                 |             |           | SC                                 |   | ST |   | Other |   | Total |   |   |  |         |
|                                 |             |           | M                                  | F | M  | F | M     | F | M     | F | T |  |         |
|                                 |             |           |                                    |   |    |   |       |   |       |   |   |  |         |

## Capacity building

| Thematic area | No of Courses | No of beneficiaries |   |    |   |       |   |       |   |   |  |  |
|---------------|---------------|---------------------|---|----|---|-------|---|-------|---|---|--|--|
|               |               | SC                  |   | ST |   | Other |   | Total |   |   |  |  |
|               |               | M                   | F | M  | F | M     | F | M     | F | T |  |  |
|               |               |                     |   |    |   |       |   |       |   |   |  |  |

## Extension activities

| Thematic area | No of activities | No of beneficiaries |   |    |   |       |   |       |   |   |  |  |
|---------------|------------------|---------------------|---|----|---|-------|---|-------|---|---|--|--|
|               |                  | SC                  |   | ST |   | Other |   | Total |   |   |  |  |
|               |                  | M                   | F | M  | F | M     | F | M     | F | T |  |  |
|               |                  |                     |   |    |   |       |   |       |   |   |  |  |

Detailed report should be provided in the circulated Performa

## 13. Awards/Recognition received by the KVK

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

## Award received by Farmers from the KVK district

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

## 14. Any significant achievement of the KVK with facts and figures as well as quality photograph

15. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

| Sl. No. | Name of the organization/ Society | Trust Deed No.& date | Date of Trust Registration Address | Proposed Activity | Commodity Identified | No. of Members | Financial position (Rupees in lakh) | Success indicator |
|---------|-----------------------------------|----------------------|------------------------------------|-------------------|----------------------|----------------|-------------------------------------|-------------------|
|         |                                   |                      |                                    |                   |                      |                |                                     |                   |

## 16. Integrated Farming System (IFS)

## Details of KVK Demo. Unit

| Sl. No. | Module details (Component-wise) | Area under IFS (ha) | Production (Commodity-wise) | Cost of production in Rs. (Component-wise) | Value realized in Rs. (Commodity-wise) | No. of farmer adopted practicing IFS | % Change in adoption during the year |
|---------|---------------------------------|---------------------|-----------------------------|--|--|--------------------------------------|--------------------------------------|
|         |                                 |                     |                             |  |  |                                      |                                      |

## 17. Technologies for Doubling Farmers' Income

| Sl. No. | Name of the Technology | Brief Details of Technology (3- 5 bullet points) | Net Return to the farmer (Rs.) per ha per year due to adoption of the technology | No. of farmers adopted the technology in the district | One high resolution 'Photo' in 'jpg' format for each technology |
|---------|------------------------|--|--|---|---|
| 1       |                        |  |  |   |   |
| 2       |                        |  |  |   |   |

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

| Phase                | Database prepared/ covered for |                      | KVK level Committee |                 | Various activity conducted for farmers |
|----------------------|--------------------------------|----------------------|---------------------|-----------------|--|
|                      | Total no. of villages          | Total no. of farmers | Date of formation   | Name of members |  |
| I (up-to 15.03.2018) |                                |                      |                     |                 |  |
| II (up-to 24.04.218) |                                |                      |                     |                 |  |
| Total                |                                |                      |                     |                 |  |

## 19. Information on Visit of Ministers to KVKs, if any

| Date of Visit | Name of Hon'ble Minister | Name of Ministry | Salient points in his/ her observation<br>(2-3 bulleted points) |
|---------------|--------------------------|------------------|---|
|               |                          |                  |   |

## 20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2022

| Name of the Job role | Name of the certified Trainer of KVK for the Job role | Date of start of training | Date of completion of training | No. of participants |   |    |   |       |   | Whether uploaded to SIP Portal (Y/N) | Fund utilized for the training (Rs.) |
|----------------------|---|---------------------------|--------------------------------|---------------------|---|----|---|-------|---|--------------------------------------|--------------------------------------|
|                      |   |                           |                                | SC                  |   | ST |   | Other |   |                                      |                                      |
|                      |   |                           |                                | M                   | F | M  | F | M     | F |                                      |                                      |
|                      |   |                           |                                |                     |   |    |   |       |   |                                      |                                      |
|                      |   |                           |                                |                     |   |    |   |       |   |                                      |                                      |
|                      |   |                           |                                |                     |   |    |   |       |   |                                      |                                      |

## b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2022

| Thematic area of training | Title of the training | Duration (in hrs.) | No. of participants |   |    |   |       |   |       |   |   | Fund utilized for the training (Rs.) |
|---------------------------|-----------------------|--------------------|---------------------|---|----|---|-------|---|-------|---|---|--------------------------------------|
|                           |                       |                    | SC                  |   | ST |   | Other |   | Total |   |   |                                      |
|                           |                       |                    | M                   | F | M  | F | M     | F | M     | F | T |                                      |
|                           |                       |                    |                     |   |    |   |       |   |       |   |   |                                      |

## 21. Information on NARI Project (if applicable)

| Name of Nodal Officer | No. of OFT on specified aspects | Title(s) of OFT | No. of FLD on specified aspects | No. of capacity development programme on specified aspects | Total no. of farm women/ girls involved in the project | Details of Issues related to gender mainstreaming addressed through the project |
|-----------------------|---------------------------------|-----------------|---------------------------------|--|--|---|
|                       |                                 |                 |                                 |  |  |   |

## 22. Information on Krishi Kalyan Abhiyan Phase-III, if applicable

## a) Training achievements

| Name of KVK | Period                         | No. of Training on diversified farming practices for doubling farmers' income organized | No. of farmers trained |        |
|-------------|--------------------------------|---|------------------------|--------|
|             |                                |   | Male                   | Female |
|             | 01.01.2022<br>to<br>31.12.2022 |   |                        |        |

**b) Other achievements**

| Sl. No. | Particulars  | January, 2022 to December, 2022 |
|---------|--|---------------------------------|
| 1       | Number of demonstrations other than oilseeds and pulses    |                                 |
| 2       | Number of demonstrations on oilseed crops                  |                                 |
| 3       | Number of demonstrations on pulse crops                    |                                 |
| 4       | Number of farmers trained                                  |                                 |
| 5       | Number of participants in Extension activities             |                                 |
| 6       | Number of farmers for Mobile Advisory                      |                                 |
| 7       | Production of seeds (in quintal)                           |                                 |
| 8       | Production of planting material (Number)                   |                                 |
| 9       | Number of soil sample tested                               |                                 |
| 10      | Number of farmers covered in Climate Resilient villages    |                                 |
| 11      | Number of farm families covered in Farmer FIRST project    |                                 |
| 12      | ARYA project: Number of youth trained                      |                                 |
| 13      | ARYA project: Number of entrepreneurial activities started |                                 |
| 14      | Number of farm families in DFI villages                    |                                 |

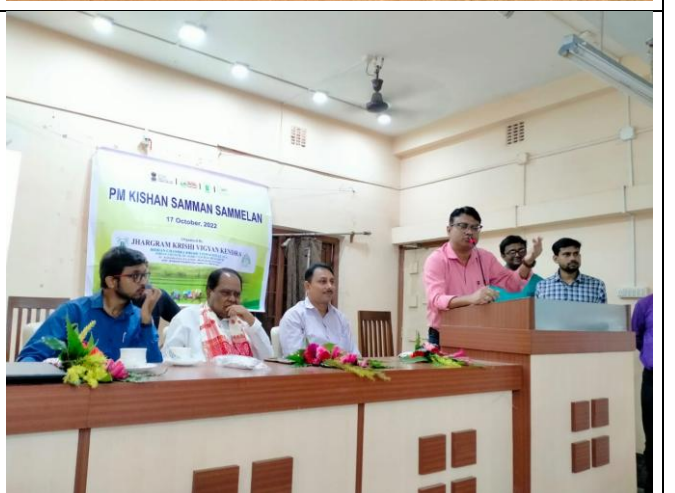
23. Any other programme organized by KVK, not covered above

| Sl. No. | Name of the programme | Date of the programme | Venue | Purpose | No. of participants |
|---------|-----------------------|-----------------------|-------|---------|---------------------|
|         |                       |                       |       |         |                     |

24. Good quality action photographs of overall achievements of KVK during the year (best 10)







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