

**PROFORMA FOR ANNUAL REPORT OF KVKS, (Jan-Dec2020)**

**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 |                        |
| KVK, Nagaland University,<br>Lumami, P.O. Lumami PIN-798627 |           |     | kvkzunheboto@gmail.com |

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

|  |               |               |  |
|--|---------------|---------------|--|
| Address  | Telephone     |               | E mail   |
|  | Office        | FAX           |  |
| Vice-chancellor, Nagaland<br>University, Lumami PIN-798627 | (0369)2268248 | (0369)2268248 | <a href="mailto:vicechancellornu@yahoo.com">vicechancellornu@yahoo.com</a> |

1.3. Name of the Sr. Scientist & Head with phone & mobile No

|                            |                     |             |  |
|----------------------------|---------------------|-------------|--|
| Name                       | Telephone / Contact |             |  |
|                            | Residence           | Mobile      | Email  |
| Dr. Rakesh Kumar Chaurasia |                     | 09856072100 | <a href="mailto:rchaurasia_2004@yahoo.co.in">rchaurasia_2004@yahoo.co.in</a> |

1.4. Year of sanction: 2005

1.5. Staff Position (As on 31<sup>st</sup> December 2020)

| Sl. No. | Sanctioned post           | Name of the incumbent      | Designation          | Discipline       | Pay Scale (Rs.) | Present basic (Rs.) | Date of joining | Permanen t /Temporary | Categor y (SC/ST / OBC/ Others) |
|---------|---------------------------|----------------------------|----------------------|------------------|-----------------|---------------------|-----------------|-----------------------|---------------------------------|
| 1       | Sr. Scientist & Head      | Dr. Rakesh Kumar Chaurasia | Sr. Scientist & Head | Animal Science   | 131400          | 147900              | 5/10/12         | Permanen t            | OBC                             |
| 2       | Subject Matter Specialist | Wapangtoshi Longkumer      | ACTO                 | Plant Protection | 74000           | 83300               | 17/04/07        | Permanen t            | ST                              |
| 3       | Subject Matter Specialist | Dr. Kundan Kumar           | SMS                  | Agril. Extension | 69000           | 77700               | 19/04/07        | Permanen t            | Others                          |
| 4       | Subject Matter Specialist | Edenly Chishi              | ACTO                 | Horticult ure    | 74000           | 83300               | 20/04/07        | Permanen t            | ST                              |
| 5       | Subject Matter            | Dr. Visakho Shunyu         | ACTO                 | Agronom y        | 74000           | 83300               | 14/05/07        | Permanen t            | ST                              |

|    |                             |                         |                               |                                 |       |       |          |           |    |
|----|-----------------------------|-------------------------|-------------------------------|---------------------------------|-------|-------|----------|-----------|----|
|    | Specialist                  |                         |                               |                                 |       |       |          |           |    |
| 6  | Subject Matter Specialist   | Sentimenla              | SMS                           | Agril. Chemistry & Soil Science | 59500 | 67000 | 10/10/12 | Permanent | ST |
| 7  | Subject Matter Specialist   | Dr. Z. Nongothung Ezung | SMS                           | Animal Science                  | 56100 | 65000 | 3/3/14   | Permanent | ST |
| 8  | Programme Assistant         | Narola Anichari         | Programme Assistant           | Home Science                    | 38700 | 43600 | 25/10/12 | Permanent | ST |
| 9  | Computer Programmer         | Imnameren               | TO (Computer)                 | IT                              | 50500 | 56900 | 02/04/07 | Permanent | ST |
| 10 | Farm Manager                | Naropongla              | Farm Manager                  | Soil and water conservation     | 38700 | 43600 | 17/10/12 | Permanent | ST |
| 11 | Accountant / Superintendent | Katovi Shohe            | Accountant / Superintendent   |                                 | 47600 | 55200 | 08/08/07 | Permanent | ST |
| 12 | Stenographer                | Tiarenla                | Jr. Steno. Cum Compt Operator |                                 | 27900 | 31400 | 3/10/12  | Permanent | ST |
| 13 | Driver                      | Wepretso Marhu          | Driver cum mechanic           |                                 | 30500 | 34300 | 22/06/07 | Permanent | ST |
| 14 | Supporting staff            | Kekhriengulie           | Skilled Supporting staff      |                                 | 23500 | 27600 | 2/4/07   | Permanent | ST |
| 15 | Supporting staff            | Shumben Patton          | Skilled Supporting staff      |                                 | 23500 | 27600 | 01/06/07 | Permanent | ST |

**Note: No column in the table must be left blank**

- 1.6. a. Total land with KVK (in ha) : 20  
b. Total cultivable land with KVK (in ha): 17.75  
c. Total cultivated land (in ha): 5.50

| S. No. | Item | Area (ha) |
|--------|------|-----------|
|--------|------|-----------|

|    |  |       |
|----|--|-------|
| 1  | Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters) | 1     |
| 2. | Under Demonstration Units (pl. specify the name)                           |       |
|    | i. IFS   | 1     |
|    | ii. Nutrition garden   | 0.005 |
|    | iii. Vermi-compost   | 0.001 |
| 3. | Under Crops (Cereals, pulses, oilseeds etc.)<br>(Pl. specify separately)   |       |
|    | i. Spices  | 0.04  |
| 4. | Under vegetables (Pl. specify separately)                                  |       |
|    | i. Okra  | 0.001 |
|    | ii. Colocasia  | 0.01  |
|    | iii. Cucumber  | 0.001 |
|    | iv. Bottle gourd   | 0.001 |
|    | v. Bitter gourd  | 0.001 |
|    | vi. King chilli  | 0.001 |
| 5. | Orchard/Agro-forestry  | 2     |
| 6. | Others (empty terrace)   | 1.5   |

## 1.7. Infrastructural Development:

## A) Buildings

| S. No. | Name of building        | Source of funding | Stage           |                    |                   |               |                    |                        |
|--------|-------------------------|-------------------|-----------------|--------------------|-------------------|---------------|--------------------|------------------------|
|        |                         |                   | Complete        |                    |                   | Incomplete    |                    |                        |
|        |                         |                   | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1.     | Administrative Building | ICAR              | April 2014      | 550                | 110.51            |               |                    |                        |
| 2.     | Farmers Hostel          |                   |                 |                    |                   |               |                    |                        |
| 3.     | Staff Quarters (2)      | ICAR              | April 2014      | 144                |                   |               |                    |                        |
| 4.     | Demonstration Units     |                   |                 |                    |                   |               |                    |                        |
| 5      | Fencing                 |                   |                 |                    |                   |               |                    |                        |

## B) Vehicles

| Type of vehicle | Regd. No. | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|-----------------|-----------|------------------|------------|----------------|----------------|
|-----------------|-----------|------------------|------------|----------------|----------------|

|                           |              |      |          |        |         |
|---------------------------|--------------|------|----------|--------|---------|
| Bolero                    | NL 10 C- 758 | 2017 | 750696   | 48888  | Working |
| Mini Tractor with trolley | NL 07- A2068 | 2006 | 369126/- | 160    | Working |
| Power tiller              |              | 2010 | 296200/- | 170hrs | Working |
| Power tiller              |              | 2016 | 197500/- | New    | Working |

## C) Equipments &amp; AV Aids

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status    |
|-----------------------|------------------|------------|-------------------|
| PC                    | 2010             | 34700/-    | Needs replacement |
| Laptop                | 2010             | 43140/-    | Needs replacement |
| LCD Projector         | 2010             | 85100/-    | Needs replacement |
| Camera                | 2010             | 19999/-    | Needs replacement |
| Camera                | 2017             | 51300/-    | Working           |
| Photo copier          | 2010             | 95000/-    | Needs Repairing   |
| Fax machine           | 2010             | 16000/-    | Needs Replacement |
| Generator             | 2012             | 337000/-   | Working           |
| PC                    | 2016             | 43590/-    | Working           |
| PC                    | 2016             | 43590/-    | Working           |
| PC                    | 2016             | 43590/-    | Working           |
| Laptop                | 2016             | 47590/-    | Working           |
| Laptop                | 2017             | 76700/-    | Working           |
| Scanner               | 2016             | 9350/-     | Working           |
| Generator             | 2016             | 129800/-   | Working           |

## 1.8. A). Details SAC meeting\* conducted in 2020

| Date      | Name and Designation of Participants   | Salient Recommendations   |
|-----------|--|---|
| 9/12/2020 | 1. Prof. P.Lal, Vice Chancellor, Nagaland University<br>2. Prof. R.C. Nayak, Dean In charge<br>3. Dr. L.Daiho Professor and Head, Plant Pathology; 4. Dr. C. Maiti Professor and Head Horticulture;<br>5. Dr. L. Tongpang Professor and Head Agronomy;<br>6. Mr. L. Holuto Aye, Progressive Farmer, Tichipami Village;<br>7. Mr. Kakuto Chishi, Progressive Farmer, Litta New Village;<br>8. Ms. Aholi, Progressive Women Farmer, Lumami Village;<br>9. Ms. Anatoli, Progressive Women Farmer, Zaphumi Village<br>10. Dr. Rakesh Kumar Chaurasia, Sr. Scientist & Head<br>11. Mr. Wapangtoshi Longkumer, ACTO, Plant Protection<br>12. Dr. Visakho Shunyu, ACTO, Agronomy<br>13. Dr. Kundan Kumar, SMS, Agril Extension<br>14. Ms. Edenly Chishi, ACTO, Horticulture<br>15. Dr. Z. Nongothung Ezung, SMS, Animal Science<br>16. Ms. Narola Anichari, PA (Home Science. | 1. Liming in soil at the recommended dose if soils are acidic.<br>2. Use of copper Oxychloride @3g/litre of water for foliar application to control leaf spot disease in Soybean.<br>3. Organic farming to be initiated<br>4. Wet towel method should be adopted to observe seed germination percentage before conducting on farm trial.<br>5. Selection of location specific HYV seeds which are resistant to disease pest infestation.<br>6. The technologies selected to be tested in control environment or as per package of practices.<br>7. Input/output ratio needs to be calculated in the crops cultivated to get B.C. Ratio.<br>8. Timely supply of inputs should be done so that farmers can sow the crops at the right |

|  |  |       |
|--|--|-------|
|  |  | time. |
|--|--|-------|

### Proceedings of 11<sup>th</sup> SAC Meeting of KVK Zunheboto Nagaland University.

The 11<sup>th</sup> SAC meeting of Krishi Vigyan Kendra, Zunheboto, Nagaland University was held on 9<sup>th</sup> Dec. 2020 through online mode at 11:00 AM under the chairmanship of Prof. P. Lal, Vice Chancellor, Nagaland University. The meeting was attended by Dean In charge Prof. R.C. Nayak, Dr. L. Daiho Professor and Head, Plant Pathology; Dr. C. Maiti Professor and Head Horticulture; Dr. L. Tongpang Professor and Head Agronomy; Mr. L. Holuto Aye, Progressive Farmer, Tichipami Village; Mr. Kakuto Chishi, Progressive Farmer, Litta New Village; Ms. Aholi, Progressive Women Farmer, Lumami Village; Ms. Anatoli, Progressive Women Farmer, Zaphumi Village of Zunheboto district and KVK staffs. Sr. Scientist & Head Dr. Rakesh Kumar Chaurasia welcomed all the members. The agenda items included the presentation of Annual Report 2020 and Annual Action Plan 2021 to the SAC members for their valuable suggestions/recommendation which can be taken up by the KVK for improvement of Agri. and Allied sector in the district.

The programme ended with vote of thanks from Dr. Visakho Shunyu, ACTO Agronomy.

| Sl.No | Recommendation/Resolutions   | Action to be taken by                |
|-------|--|--------------------------------------|
| 1.    | Liming in soil at the recommended dose if soils are acidic.  | ACTO (Ag. /GPB)                      |
| 2.    | Use of copper Oxychloride @3g/litre of water for foliar application to control leaf spot disease in Soybean. |                                      |
| 3.    | Organic farming to be initiated  |                                      |
| 4.    | Wet towel method should be adopted to observe seed germination percentage before conducting on farm trial.   | ACTO (Plant Protection)              |
| 5.    | Selection of location specific HYV seeds which are resistant to disease pest infestation.                    | i. ACTO Horti<br>ii. ACTO (Ag. /GPB) |
| 6.    | The technologies selected to be tested in control environment or as per package of practices.                |                                      |
| 7.    | Input/output ratio needs to be calculated in the crops cultivated to get B.C. Ratio.                         |                                      |
| 8.    | Timely supply of inputs should be done so that farmers can sow the crops at the right time.                  |                                      |

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

## 2. DETAILS OF DISTRICT

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

| Sl. No | Farming system/enterprises      |
|--------|---------------------------------|
| 1      | Agri + horti                    |
| 2      | Agri + horti + Animal husbandry |
| 3      | Agri + Animal husbandry         |

### 2.2 Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

| Sl. No | Agro-climatic Zone                       | Characteristics   |
|--------|--|---|
| 1      | Agro Ecological Sub Region (ICAR)        | Warm to hot moist (humid to per humid eco sub region), Tropical to sub-tropical (D2 A9) |
| 2      | Agro-Climatic Zone (Planning Commission) | Eastern Himalayan Region  |
| 3      | Agro Climatic Zone (NARP)                | Upper Brahmaputra Valley zone, Sub tropical hill zone (2,3)                             |

### 2.3 Soil type/s

| Sl. No | Soil type | Characteristics | Area in ha |
|--------|-----------|-----------------|------------|
|        |           |                 |            |

|   |                                |  |       |
|---|--------------------------------|--|-------|
| 1 | Deep sandy loam to loamy soils | Akhuhuta series, Fine, mixed, thermic, typic Dystrudepts     | 36600 |
|   |                                | Langposeries , Fine loamy, mixed, thermic, Dystric Eutrudeps | 2040  |

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

| Sl. No | Crop              | Area (ha) | Production (ton) | Productivity (Qtl /ha) |
|--------|-------------------|-----------|------------------|------------------------|
| 1.     | Jhum paddy        | 9410      | 18510            | 19.6                   |
| 2.     | T.T.C/W.R.C Paddy | 4210      | 11500            | 27.3                   |
| 3.     | Maize             | 10100     | 19940            | 19.7                   |
| 4.     | Jowar             | 40        | 40               | 10                     |
| 5.     | Small Millet      | 810       | 910              | 11.2                   |
| 6.     | <b>Arhar</b>      | 280       | 250              | 8.9                    |
| 7.     | Jobstear          | 120       | 120              | 10                     |
| 8.     | Urd/ Moong        | 30        | 30               | 10                     |
| 9.     | Nagadal           | 460       | 530              | 11.5                   |
| 10.    | Rajma (kholar)    | 740       | 940              | 12.7                   |
| 11.    | Beans             | 200       | 260              | 13                     |
| 12.    | Horse gram        | 40        | 40               | 10                     |
| 13.    | Pea               | 600       | 660              | 11.1                   |
| 14.    | Groundnut         | 120       | 120              | 10                     |
| 15.    | Soyabean          | 7610      | 9760             | 12.8                   |
| 16.    | Sesamum           | 150       | 90               | 6                      |
| 17.    | Perilla           | 210       | 130              | 6.2                    |
| 18.    | Castor            | 30        | 20               | 6.6                    |
| 19.    | Potato            | 240       | 2400             | 100                    |

Source: Statistical handbook of Nagaland 2017

#### 2.5. Weather data

| Month | Average Rainfall (mm) | Temperature °C |         | Relative Humidity (%) |         |
|-------|-----------------------|----------------|---------|-----------------------|---------|
|       |                       | Maximum        | Minimum | Maximum               | Minimum |
| Jan   | 1.33                  | 18             | 7       | 86                    | 41      |
| Feb   | 1.68                  | 20             | 10      | 89                    | 38      |
| Mar   | 0.87                  | 22             | 13      | 71                    | 32      |
| April | 7.36                  | 24             | 14      | 82                    | 38      |
| May   | 8.45                  | 26             | 16      | 94                    | 57      |
| June  | 1                     | 27             | 19      | 99                    | 80      |
| July  | 23.64                 | 28             | 21      | 99                    | 92      |
| Aug   | 17.54                 | 29             | 22      | 99                    | 76      |
| Sept  | 13.43                 | 29             | 20      | 99                    | 82      |
| Oct   | 11.54                 | 27             | 18      | 99                    | 66      |
| Nov   | 2.2                   | 25             | 14      | 91                    | 43      |
| Dec   | 0                     | 21             | 8       | 90                    | 39      |

#### 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

| 3. Category       | Population | Production | Productivity |
|-------------------|------------|------------|--------------|
| <b>Cattle</b>     |            |            |              |
| <i>Crossbred</i>  | 11485      |            |              |
| <i>Indigenous</i> | 27292      |            |              |
| Buffalo           | 14         |            |              |
| <b>Sheep</b>      |            |            |              |
| Crossbred         | 0          |            |              |
| <i>Indigenous</i> | 0          |            |              |

|                   |        |  |  |
|-------------------|--------|--|--|
| Goats             | 9678   |  |  |
| Pigs              |        |  |  |
| <i>Crossbred</i>  | 39631  |  |  |
| <i>Indigenous</i> | 59691  |  |  |
| Rabbits           | 917    |  |  |
| Poultry           |        |  |  |
| Hens              |        |  |  |
| <i>Desi</i>       | 205112 |  |  |
| <i>Improved</i>   |        |  |  |
| Ducks             | 5476   |  |  |
| Turkey and others |        |  |  |

Source: Statistical handbook of Nagaland 2017

Note: Pl. provide the appropriate Unit against each enterprise

## 2.6 Details of Operational area/ Villages (2020)

| Sl. No. | Taluk/ Eleka                         | Name of the block                    | Name of the village  | Major crops & enterprises  | Major problem Identified   | Identified thrust area  |
|---------|--------------------------------------|--------------------------------------|--|--|--|---|
| 1       | Akuluto ,Atoizu, Zunheboto, Suruhoto | Akuluto ,Atoizu, Zunheboto, Suruhoto | Zaphumi, Shichimi, Alaphumi, Lumami, Sumi Settsu, Lumithsami, Sastami, Phishumi, Litami Old, Litami New, Aotsakilimi, Phisa, Phuye Old, Phuye, Ajiqami, Tichipami, Lokobo, Sapotimi, Kholeboto, Zhekuto Yeshelutomi, Izheto, Maromi, Naghuto Old | Paddy, Orange, Maize, Tomato, Brinjal, Cucumber, Ginger, Chilli, Banana, Pineapple, Colocassia, Tapioca, Tea, Piggery, Poultry, Goattery, Beans, Rabbitry, Kiwi, large cardamom, soybean | Heavy weed infestation in existing cropping system, lack of post - harvest management facilities, lack of improved breed of pigs and fowl. Lack of financial support. Lack of HYV of crops. Lack of employment opportunities | 1. Identification of farming system of Zunheboto District at different altitude and settlement.<br>2. Collection and identification of available crop germplasm<br>3. Improvement in existing shifting cultivation by scientific intervention<br>4. SHG formation for small scale enterprise<br>5. Improved package of practices for orange cultivation<br>6. Post harvest management of Horticulture and field crops<br>7. Piggery, poultry and dairy up-gradation and improved management.<br>8. Introduction of HYV of crops |

## 3. TECHNICAL ACHIEVEMENTS

### 3. A. Details of target and achievements of mandatory activities by KVK during 2020

| Discipline | OFT (Technology Assessment and Refinement) | FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises) |
|------------|--|--|
|------------|--|--|

|                  | Number of OFTs |             | Number of Farmers |             | Number of FLDs |             | Number of Farmers |             |
|------------------|----------------|-------------|-------------------|-------------|----------------|-------------|-------------------|-------------|
|                  | Targets        | Achievement | Targets           | Achievement | Targets        | Achievement | Targets           | Achievement |
| Agronomy         | 2              | 2           | 4                 | 6           | 3              | 3           | 65                | 128         |
| Horticulture     | 2              | 2           | 7                 | 7           | 2              | 2           | 13                | 13          |
| Plant Protection | 2              | 1           | 6                 | 3           | 2              | 2           | 6                 | 6           |
| Animal Sc.       | 2              | 4           | 40                | 41          | 2              | 4           | 35                | 35          |
| Agril Extension  | 2              | 2           | 30                | 30          | 1              | 1           | 30                | 30          |
| Home science     | 2              | 2           | 42                | 42          | 2              | 2           | 70                | 70          |
| <b>Total</b>     | <b>12</b>      | <b>13</b>   | <b>129</b>        | <b>129</b>  | <b>12</b>      | <b>14</b>   | <b>219</b>        | <b>282</b>  |

Note: Target set during last Annual Zonal Workshop

| Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit) |           |             |                        |                                  | Extension Activities |                               |                        |             |
|--|-----------|-------------|------------------------|----------------------------------|----------------------|-------------------------------|------------------------|-------------|
| Number of Courses  |           |             | Number of Participants |                                  | Number of activities |                               | Number of participants |             |
| Clientele  | Targets   | Achievement | Targets                | Achievement                      | Targets              | Achievement                   | Targets                | Achievement |
| Farmers  | 42        | 42          | 1050                   | 872                              |                      |                               |                        |             |
| Rural youth  | 22        | 19          | 475                    | 286                              |                      |                               |                        |             |
| Extn. Functionaries  | 3         | 1           | 25                     | 16                               |                      |                               |                        |             |
| <b>Total</b>   | <b>67</b> | <b>62</b>   | <b>1550</b>            | <b>1174</b>                      | <b>177</b>           | <b>230</b>                    | <b>687</b>             | <b>737</b>  |
| Seed Production (ton.)   |           |             |                        | Planting material (Nos. in lakh) |                      |                               |                        |             |
| Target   |           | Achievement |                        | Target                           |                      | Achievement                   |                        |             |
| 5.17 (ton.)  |           | 7.5 (ton.)  |                        | 0.017 (Nos.)                     |                      | 0.04050                       |                        |             |
|  |           |             |                        | Colocasia, Turmeric , Ginger     |                      | (0.04q, 14q, 22.16q) = 36.2Qt |                        |             |
|  |           |             |                        |                                  |                      |                               |                        |             |
|  |           |             |                        |                                  |                      |                               |                        |             |

Note: Target set during last Annual Zonal Workshop

#### 4. B. Abstract of interventions undertaken during 2020

| Sl. | Thrust | Crop/ | Identified | Interventions |
|-----|--------|-------|------------|---------------|
|-----|--------|-------|------------|---------------|



| No | area            | Enterprise  | problems                                   | Title of OFT if any                           | Title of FLD if any            | Title of Training if any          | Title of training for extension personnel if any | Extension activities                        | Supply of seeds, planting materials etc. |
|----|-----------------|-------------|--|---|--------------------------------|-----------------------------------|--|---|--|
| 1  | Crop production | Soybean     | Low productivity                           | OFT on Soybean VL-63                          |                                |                                   |  | Field visits                                | 5 kg of seeds supplied.                  |
| 2  | Crop production | Maize+Beans | Intercropping of Maize+Beans not practiced | OFT on Maize + Beans under organic management |                                |                                   |  | Field visits                                | 5 kg of maize and 5 kg of beans supplied |
| 3  | Crop production | Maize       | Low productivity                           |   | FLD on Maize HQPM-1            | Package & Practices of Maize      |  | Field visits, Farmers Scientist Interaction | 150 kg of Maize HQPM-1 supplied          |
| 4  | Crop production | Soybean     | Low productivity                           |   | CFLD on Soybean JS-9560        | Package and Practices of Soybean  |  | Field visits, Farmers Scientist Interaction | 500 kg of Soybean supplied               |
| 5  | Crop production | Field pea   | Low productivity                           |   | CFLD on Field pea Var. Prakash | Package and Practices of FieldPea |  | Field visits, Farmers Scientist Interaction | 500 kg of Fieldpea supplied              |

|   |                      |              |   |  |  |  |  |  |  |
|---|----------------------|--------------|---|--|--|--|--|--|--|
| 6 | Vegetable production | Okra         | Economic and yield loss due to weeds                  | Use of black polythene 30micron as mulching material for effective weed management in Okra |  | Benefits of mulching in vegetables   |  |  | 2kg Okra seeds   |
| 7 | Value addition       | Bamboo shoot | Lack of knowledge on processing and value addition    | ITK on Bamboo shoot pickle   |  | Value addition of locally available vegetables.<br><br>2. ITK on Bamboo shoot pickle |  |  | Spices and Mustard oil   |
| 8 | Fruit production     | Pineapple    | Low yield and no uniformity in Flowering and fruiting |  | Enhancement of pineapple production by application of ethrel 2.5ml/l water @50ml/plant | Production technology of pineapple   |  |  | Ethrel   |
| 9 | Vegetable production | Okra         | Low yield due to lack of nutrients                    |  | Cultivation of Okra by using organic sources of nutrients                              | Organic cultivation of Okra  |  |  | Seeds, Bio-fertilizers, rock phosphate, vermi-compost and FYM. |

|    |                |            |  |   |   |  |  |             |                               |
|----|----------------|------------|--|---|---|--|--|-------------|-------------------------------|
| 10 | IPM            | Brinjal    | Infestation of fruit and shoot borer               | Assessment of Application of Arka Neem Soap to reduce Incidence of Fruit and shoot borer infestation in Brinjal |   |  |  | Field visit | Brinjal seeds, Arka Neem soap |
| 11 | IPM            | Potato     | Infestation of white grub                          | Assessment for management of white grub in potato   |   |  |  | Field visit | Supply of potato, quinalphos  |
| 12 | IPM            | Jhum paddy | Infestation of leaf folder                         |   | Popularization of yellow sticky trap for leaf folder management in jhum paddy   |  |  | Field visit | Yellow sticky trap            |
| 13 | IDM            | Ginger     | Infestation of rhizome rot                         |   | Popularization of different technologies for ginger storage against rhizome rot |  |  |             | Ginger rhizome                |
| 14 | Value addition | Gooseberry | Lack of knowledge in processing and value addition | Processing and value addition of gooseberry   |   |  |  |             |                               |

|    |  |                 |  |   |  |  |  |   |  |
|----|--|-----------------|--|---|--|--|--|---|--|
| 15 | Drudger<br>reducti<br>on                   | Citrus          | 1.Damage<br>/injury of<br>fruits<br>while<br>harvesting<br><br>2.Energy<br>and time<br>consumpti<br>on | Use of<br>food<br>harvester<br>for<br>harvestin<br>g fruits |  |  |  |   |  |
| 16 | Value<br>additio<br>n                      | Bambooshoo<br>t | Lack of<br>processin<br>g and<br>value<br>addition   |   | Processing<br>and value<br>addition of<br>Bamboo<br>shoot                      |  |  |   |  |
| 17 | Value<br>additio<br>n                      | Tapioca         | Lack of<br>processin<br>g and<br>value<br>addition   |   | Cake<br>preparation<br>from tapioca<br>flour                                   |  |  |   |  |
| 18 | Identifi<br>cation<br>of<br>leaders<br>hip |                 |  | Sociomet<br>ry<br>technique                                 |  |  |  |   |  |
| 19 | Social<br>Concep<br>t                      |                 |  | SWOC<br>Analysis  |  |  |  |   |  |
| 20 |  |                 |  |   | Performance<br>of Different<br>Group Size<br>of SHG on<br>Income<br>Generation |  |  | Data<br>collecti<br>on is in<br>Process |  |

|    |                    |                            |  |   |  |                                   |                                   |  |                             |
|----|--------------------|----------------------------|--|---|--|-----------------------------------|-----------------------------------|--|-----------------------------|
| 21 | Piggery production | Hampshire cross            | Non availability of good quality breeds        | Assessment of Growth Performance of Crossbred Pigs (Hampshire cross) under local feeding  |  | Piggery production and management | --                                | Diagnostic visit, field visit, treatment. etc. | 20 Nos. of piglets supplied |
| 22 | Housing management | Piggery management         | Poor housing management                        | Assessment of Low cost climate resilient environment affinitive pig pen model by use of locally available materials in deep litter system of management |  |                                   |                                   |  | Sawdust (Bedding material)  |
| 23 | Poultry production | Rainbow Rooster (Kuroiler) | Rainbow rooster                                | Backyard Poultry Farming with Rainbow Rooster   |  | Poultry production and management | --                                | Diagnostic visit, field visit, treatment. Etc. | 21 Farmers                  |
| 24 | Piggery production | Hampshire cross pigs (75%) | Poor performance by indigenous variety of pigs | Performance trial on Hampshire cross pigs (75%) under ; local feeding condition   |  |                                   | Piggery production and management | Field visit, Diagnostic visit                  | 10 Nos. Piggery supplied    |



|   |          |          |  |          |          |          |  |  |  |           |
|---|----------|----------|--|----------|----------|----------|--|--|--|-----------|
| Weed Management                           |          |          |  |          | 1        |          |  |  |  | 1         |
| Integrated Crop Management                | 1        |          |  |          |          |          |  |  |  | 1         |
| Integrated Nutrient Management            |          |          |  |          |          |          |  |  |  |           |
| Integrated Farming System                 |          |          |  |          |          |          |  |  |  |           |
| Mushroom cultivation                      |          |          |  |          |          |          |  |  |  |           |
| Drudgery reduction                        |          |          |  |          |          | 1        |  |  |  | 1         |
| Farm machineries                          |          |          |  |          |          |          |  |  |  |           |
| Value addition                            |          |          |  |          | 2        |          |  |  |  | 2         |
| Integrated Pest Management                |          |          |  | 1        | 1        |          |  |  |  | 2         |
| Integrated Disease Management             |          |          |  |          |          |          |  |  |  |           |
| Resource conservation technology          |          |          |  |          |          |          |  |  |  |           |
| Small Scale income generating enterprises |          |          |  |          |          |          |  |  |  |           |
| SWOT Analysis                             |          |          |  |          |          |          |  |  |  | 1         |
| Sociometry technique                      |          |          |  |          |          |          |  |  |  | 1         |
| <b>TOTAL</b>                              | <b>1</b> | <b>1</b> |  | <b>1</b> | <b>4</b> | <b>1</b> |  |  |  | <b>10</b> |

\* Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro farming situation.







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

#### A.5. Results of On Farm Testing (OFT)

| Sl. No. | Title of OFT   | Problem Diagnosed                              | Name of Technology Assessed  | Crop/Cropping system/ Enterprise | No. of Trials | Results of Assessment/ Refined (Data on the parameter should be provided)   | Feedback from the farmer  | Feedback to the Researcher   | B:C Ratio (if applicable) |
|---------|--|--|--|----------------------------------|---------------|---|---|--|---------------------------|
| 1       | Assessment of Maize + Beans intercropping system for rainfed condition | Intercropping of Maize and Beans not practiced | Using maize stem as beans stalk, Planting distance 75 x 25 cm, under organic management system       | Rainfed                          | 2             | 1. 50% flowering (Days)- 60<br>2. Plant height (cm)- 182<br>3. Crop duration (days)- 94<br>4. Gross return (Rs.)-143000.00<br>5. Net return (Rs./ha)- 90500.00                            | Farmers are happy with the result of the OFT and is willing to take it up in large scale in the coming years. | Maize + beans can do well almost everywhere where maize and beans were grown before . beans can be sown when maize are in knee height stage. | 3.2                       |
| 2       | Assessment of Soybean Var. VL-63                                       | Low yield of local variety                     | Seed treatment with rhizobium & phosphotika @20g each per 1 kg of seeds, Planting distance 45 x 10cm | Rainfed                          | 2             | 1. 50% flowering (Days)- 92<br>2. Plant height (cm)- 66<br>3. Crop duration (days)- 137<br>4. Yield (Kg/ha)- 2367<br>5. Gross return (Rs.)-153855.00<br>6. Net return (Rs./ha)- 109455.00 | Farmers are happy with the result of the OFT and is willing to take it up in large scale in the coming years. | Soybean Var. VL-63 was observed to be performing better when sown before the 1 <sup>st</sup> fortnight of June.                              | 3.4                       |

|   |   |  |  |                      |   |   |  |                     |      |
|---|---|--|--|----------------------|---|---|--|---------------------|------|
| 3 | Use of black polythene 30 micron as mulching material for effective weed management on okra | Economic and yield loss due to weeds               | Use of black polythene 30 micron as mulching material before sowing seeds; Spacing – 60 x 30 cm; Seed rate – 10kg/ha; Sowing time- April   | Okra as rainfed crop | 3 | 1. Plant height (cm)- 98<br>2. No. of fruits / plant-12.26<br>3. Yield / ha (kg)- 9000<br>4. % of weed density reduction- 94<br>5. No. of hand weeding-<br>6. Net Return- 160000<br>7. Weeds identified - Ageratum conyzoides, Euphrasia hirta, Commelina benghalensis, Galinsoga Ciliata, Oxalis | Farmers were happy as black polythene mulch proved to be effective weed management which reduces their labour cost | FLD can be taken up | 2.45 |
| 4 | ITK on Bamboo Shoot Pickle  | Lack of knowledge on processing and value addition | Clean bamboo shoot is cut into small pieces and put in brine solution for 8 days, drained the brine after the 8 days and then bamboo shoot along with spices (Hing, turmeric powder, green chilli, chilli powder) are fried in oil | Bamboo shoot pickle  | 4 | 1) Taste acceptability- 70%<br>2) Shelf life- More than 6 months<br>3) Adoption – 15%<br>4) Net return - 3690   | Farm women were happy as it gain additional income to their families as well as for home consumption               | FLD can be taken    | 2.05 |

|   |   |  |                |            |   |   |  |  |                   |
|---|---|--|----------------|------------|---|---|--|--|-------------------|
| 5 | Assessment of Application of Arka Neem Soap to reduce Incidence of Fruit and shoot borer infestation in Brinjal | Fruit and shoot borer infestation                  | Arka Neem soap | Brinjal    | 3 | Failure due to poor germination at nursery stage  |  |  |                   |
| 6 | Assessment for management of white grub in potato   | White grub infestation                             | Quinalphos     | Potato     | 3 | <b>Demo</b><br>1. Percent infestation: 7%<br>2. Yield: 89q/ha<br>Farmer practice<br>1. Percent infestation: 16%<br>2. Yield: 76q/ha | Satisfactory and ready to adopt the technology   | Recommended to FLD   | 2.5               |
| 7 | Processing and value addition of gooseberry   | Lack of knowledge in processing and value addition | Post Harvest   | Gooseberry | 3 | After conducting this trial it has been found that , there is 70% of acceptability and 20% of adoption rate.                        | Farmer response were very positive to take up this post harvest technology as it has fetch a good amount to their livelihood | After testing gooseberry candy and knowing the acceptability and status of observation, it can be easily marketed in the nearby location in an around of Nagaland university | B:C ratio – 1.2:1 |

|    |   |  |                 |                              |    |   |  |   |     |
|----|---|--|-----------------|------------------------------|----|---|--|---|-----|
|    |   |  |                 |                              |    |   | generation.  | Lumami by the nearby villages . In the process of making candy, it has also been observed that there is a demand for Amla murabba.  |     |
| 8  | Use of food harvester for harvesting fruits | 1.Damage /injury of fruits while harvesting<br>2.Energy and time consumption | Fruit harvester | citrus                       | 3  | <b>Fruit harvester</b><br>No. of fruit harvested /h: 250<br>Man-days /ha: 8<br>Damage %: 5<br><b>Hand/Stick</b><br>No. of fruit harvested /h: 150<br>Man-days /ha: 14<br>Damage %: 20 | As per the suggestion and recommendation given by the farmer, if the rope is replaced with some wire and fixed in the lower side of the handle the resultant in the food harvest will increase . | As per the suggestion and recommendation given by the farmer, if the rope is replaced with some wire and fixed in the lower side of the handle the resultant in the food harvest will increase. |     |
| 9  | Sociometry technique                        |  | 1               | Identification of leadership | 3  | Data collection is in Process   |  |   | NA  |
| 10 | SWOT Analysis                               | Improper use of locally available resources                                  | 1               | Social Concept               | 3  | Data collection is in Process   |  |   | NA  |
| 11 | Assessment of Growth Performance of         | Poor performance by local indigenous   | Hampshire cross |                              | 10 | 1. Average Body Weight gained at 11 months of age:<br>M= 86.4 kg, F= 83.5 kg<br>2. Average daily  | Satisfied  | Recommended   | 3.8 |

|    |  |                              |   |  |    |  |           |             |       |
|----|--|------------------------------|---|--|----|--|-----------|-------------|-------|
|    | Crossbred Pigs (Hampshire cross) under local feeding   | Pigs                         |   |  |    | body weight gain 11 months of age: M= 256 g/day, F= 249 g/day<br>3.Mortality rate and disease incidence rate: 2% and 0% respectively<br>4. Litter size, Age at first farrowing: 10-14, 11 months |           |             |       |
| 12 | Assessment of Low cost climate resilient environment affinitive pig pen model by use of locally available materials in deep litter system of management. | Poor swine housing practices | Saw dust as bedding material + floor space 5ft. by 5ft. |  | 5  | 1.Average body weight attained at 11 months of age : 75<br>2.Mortality rate: 0%<br>3. Disease incidence: 0%<br>4.Respiratory problem: Nil<br>5. Hoof problem: Nil                                | Satisfied | Recommended | NA    |
| 13 | Backyard Poultry Farming   | Rainbow Rooster              | Rainbow Rooster (Kruoiler)                              |  | 21 | 1. Average body weight at 8 <sup>th</sup> week of age :M=  | Satisfied | Recommended | 3.7:1 |

|     |   |   |                |  |   |  |  |         |
|-----|---|---|----------------|--|---|--|--|---------|
|     | with Rainbow Rooster  |   |                |  |   | 1.4kg, f=1.2kg<br>2. Average daily body weight gain at 8 <sup>th</sup> week of age: M=23.33 g/day, F =20.00 g/day<br>3. Mortality and Disease incidence rate: 2.2% and 0% resp.<br>4. Net Return/bird (Rs): 350                            |  |         |
| 14. | Performance trial on Hampshire cross pigs under local feeding condition (75%) | Poor performance by indigeneous variety of pigs | Hampshire pigs |  | 5 | 1. Average body weight at 210 <sup>th</sup> days of age: M=38.85kg, f=36.75kg<br>2. Average daily body weight gain at 210 <sup>th</sup> days of age: M=185 g/day, F =175 g/day<br>3. Mortality and Disease incidence rate: 0% and 6% resp. |  | Ongoing |

*\*Field crops – ton/ha, \* for horticultural crops -= kg/t/ha, \* milk and meat – litres or kg/animal, \* for mushroom and vermicompost kg/unit area.*

**\*\* Give details of the technology assessed or refined and farmer's practice**

### **3.2 Achievements of Frontline Demonstrations during 2020**

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous years and popularized during 2017-18 and recommended for large scale adoption in the district



| Sl. No | Crop and Variety/ Enterprise | Technology demonstrated   | Horizontal spread of technology |                |            |
|--------|------------------------------|---|---------------------------------|----------------|------------|
|        |                              |   | No. of villages                 | No. of farmers | Area in ha |
| 1      | Maize                        | HQPM-1  | 14                              | >150           | >15        |
| 2      | Soybean                      | JS - 9560   | 8                               | >200           | >20        |
| 3      | Field Pea                    | Prakash   | 11                              | >150           | >30        |
| 4      | Social Concept               | Performance of Different Group Size of SHG on Income Generation | 4                               | 30             |            |

\* Thematic areas as given in Table 3.1 (A1 and A2)

- b. Details of FLDs conducted during reporting period (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

| Sl. No. | Crop           | Thematic area          | Technology Demonstrated | Season and year | Area (ha) |        | No. of farmers/ demonstration |        |       | Reasons for shortfall in achievement | Farming situation (Rainfed / Irrigated, Soil type, altitude, etc) | Status of soil (Kg/ha) |   |   |
|---------|----------------|------------------------|-------------------------|-----------------|-----------|--------|-------------------------------|--------|-------|--------------------------------------|---|------------------------|---|---|
|         |                |                        |                         |                 | Proposed  | Actual | SC/ST                         | Others | Total |                                      |   | N                      | P | K |
| 1.      | Maize          | Seed/ Plant Production | HQPM1                   | Kharif 2020     | 5         | 5      | 20                            |        | 20    |                                      | Rainfed, Acidic Soil  |                        |   |   |
| 2.      | Soybean (CFLD) | Integrated Nutrient    | JS-9560                 | Kharif 2020     | 10        | 10     | 28                            |        | 28    |                                      | Rainfed, Acidic   |                        |   |   |



|   |                  |                                |       | Demo. | Check | in Avg. yield | H*    | L*    | than yield, e.g., disease incidence, pest incidence etc. |   | GC**   | GR**    | NR**   | BCR** | GC     | GR      | NR     | BCR  |
|---|------------------|--------------------------------|-------|-------|-------|---------------|-------|-------|--|---|--------|---------|--------|-------|--------|---------|--------|------|
|   |                  |                                |       |       |       |               |       |       | Demo   | Local   |        |         |        |       |        |         |        |      |
| 1 | Maize            | Seed/ plant production         | 5     | 70    | 55    | 27.2          | 73    | 67    |  |   | 43,600 | 105,000 | 61,000 | 2.4   | 43,600 | 82,500  | 38,900 | 1.8  |
| 2 | Soybean (CFLD)   | Integrated Nutrient Management | 10    | 18.30 | 17.45 | 4.8           | 18.62 | 17.98 |  |   | 43,600 | 118,950 | 75,350 | 2.7   | 43,600 | 113,425 | 69,825 | 2.6  |
| 3 | Field pea (CFLD) | Seed/ plant production         | 20    | 12.5  | 10.68 | 16.9          | 12.8  | 12.2  |  |   | 29,750 | 87,500  | 57,750 | 2.9   | 29,750 | 74,830  | 45,080 | 2.5  |
| 4 | Pineapple        | Nutrient management            | 1     | 139   | 122   | 13.28         | 158   | 120   |  |   | 134500 | 279000  | 144500 | 2.07  | 121020 | 244000  | 122980 | 2.01 |
| 5 | Okra             | INM                            | 0.3   | 71    | 50    | 42            | 75    | 66    |  |   | 90000  | 213000  | 123000 | 2.36  | 75000  | 150000  | 75000  | 2.0  |
| 6 | Jhum paddy       | IPM                            | 1     | 22.3  | 17.8  | 27.8          | 24.5  | 21.2  | % Infestation: 7%  | % Infestation: 15%                                      |        |         |        | 1.4   |        |         |        | 1.1  |
| 7 | Ginger storage   | IDM                            | 0.006 |       |       |               |       |       | 1. Total ginger infested: 3kg<br>2. % infestation- 3%    | 2. Total ginger infested: 15kg<br>2. % infestation- 15% |        |         |        |       |        |         |        |      |

\*H-Highest recorded yield, L- Lowest recorded yield

\*\* GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

**d. Extension and Training activities under FLD on Crops**

| Sl.No. | Activity                             | No. of activities organised | Date  | Number of participants |            |            | Remarks   |
|--------|--------------------------------------|-----------------------------|---|------------------------|------------|------------|---|
|        |                                      |                             |   | Gen                    | SC/ST      | Total      |   |
| 1      | Field days                           | 1                           | 17/1/20   |                        | 27         | 27         | Conducted a field day on field pea.   |
| 2      | Farmers Training                     | 10                          | 22/5/20<br>27/7/20<br>21/10/20, 17/1/20,<br>19/2/20 |                        | 246        | 246        | Training conducted on package and practices of soybean , maize and weed management. |
| 3      | Media coverage                       |                             |   |                        |            |            |   |
| 4      | Training for extension functionaries |                             |   |                        |            |            |   |
| 5      | Any other (Pl. specify)              | Field visit                 | 17/06/20<br>12/07/20<br>03/12/20                    |                        | 16         | 16         |   |
|        | <b>Total</b>                         |                             |   |                        | <b>289</b> | <b>289</b> |   |

**e. Details of FLD on Enterprises**

(i) Farm Implements

| Name of the implement                   | Crop        | No. of farmers | Area (ha) | Performance parameters / indicators          | * Data on parameter in relation to technology demonstrated  |                           | % change in the parameter | Remarks |
|---|-------------|----------------|-----------|--|---|---------------------------|---------------------------|---------|
|   |             |                |           |  | Demon.  | Local check               |                           |         |
| Processing and value addition of Bamboo | Bambooshoot | 40             |           | 1. Adoption<br>2. Shelf life<br>3. B.C.Ratio | 1. After conducting demonstration, it has been found by observation that 40% of targeted group have adopted | Newly introduced concept. | 40%                       |         |



|   |                           |                                   |  |    |    |    |   |                    |                   |  |  |  |  |  |     |   |   |   |     |   |
|---|---------------------------|-----------------------------------|--|----|----|----|---|--------------------|-------------------|--|--|--|--|--|-----|---|---|---|-----|---|
|   |                           |                                   | Farmer's Field Condition   |    |    |    | ality rate (%)  |                    |                   |  |  |  |  |  |     |   |   |   |     |   |
| 2 | Piggery (Local and cross) | Piggery production and management | popularization of routine deworming of pigs Using Broad Spectrum Anthelmintics | 10 | 10 | 20 | Susceptibility rate (%)=20%                                       | 60%                | 100%              |  |  |  |  |  | N/A | — | — | — | N/A | — |
| 3 | Piggery (Local and cross) | Piggery production and management | Demonstration of mineral mixture supplementation in pig food                   | 5  | 5  | 10 | Average body weight at 10 months age (M=55.5kg, F=54.5kg)         | M=54.6kg, f=52.5kg | M=1.6%, F=3.6%    |  |  |  |  |  | N/A |   |   |   | N/A | — |
| 4 | Poultry                   | Poultry production and management | Popularization of Routine Deworming of Poultry Using Broad Spectrum            | 10 | 10 | 10 | 1. susceptibility rate/ 2. Survivability 3. mortality rate (%)=0% | 1.0% 2. 100% 3.0%  | Nil<br>NIL<br>NIL |  |  |  |  |  | N/A |   |   |   |     |   |











| <b>II. Horticulture</b>                               |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
|---|---|--|---|--|--|--|--|--|--|---|--|----|--|----|--|---|--|----|--|----|----|
| <b>a) Vegetable Crops</b>                             |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| Production of low volume and high value crops         | 1 |  | 1 |  |  |  |  |  |  | 4 |  | 16 |  | 20 |  | 4 |  | 16 |  | 20 | 20 |
| Off-season vegetables                                 |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| Nursery raising                                       |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| Exotic vegetables like Broccoli                       |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| Export potential vegetables                           |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| Grading and standardization                           |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| Protective cultivation (Green Houses, Shade Net etc.) |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |
| <b>b) Fruits</b>                                      |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |    |















|  |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
|--|---|--|---|--|--|--|--|--|--|---|--|----|--|----|--|---|--|----|--|----|--|----|
| Installation and maintenance of micro irrigation systems |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| Use of Plastics in farming practices                     |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| Production of small tools and implements                 |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| Repair and maintenance of farm machinery and implements  |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| Small scale processing and value addition                |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| Post Harvest Technology                                  |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| <b>VII Plant Protection</b>                              |   |  |   |  |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |
| Integrated Pest  | 1 |  | 1 |  |  |  |  |  |  | 9 |  | 16 |  | 25 |  | 9 |  | 16 |  | 25 |  | 25 |









|                            |          |  |          |  |  |  |  |  |           |  |           |  |           |  |           |  |           |  |           |           |
|----------------------------|----------|--|----------|--|--|--|--|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|-----------|
| Nursery management         |          |  |          |  |  |  |  |  |           |  |           |  |           |  |           |  |           |  |           |           |
| Integrated Farming Systems |          |  |          |  |  |  |  |  |           |  |           |  |           |  |           |  |           |  |           |           |
| <b>TOTAL</b>               | <b>3</b> |  | <b>3</b> |  |  |  |  |  | <b>13</b> |  | <b>36</b> |  | <b>49</b> |  | <b>13</b> |  | <b>36</b> |  | <b>49</b> | <b>49</b> |

**3.3.2. Achievements on Training of Farmers and Farm Women in Off Campus including Sponsored Off Campus Training Programmes (\*Sp. Off means Off Campus training programmes sponsored by external agencies)**

| Thematic area                     | No. of Trainings (Courses) |          |       | Participants |          |        |          |       |          |       |          |        |          |       |         |       |          |        |         | Grand Total |       |          |
|-----------------------------------|----------------------------|----------|-------|--------------|----------|--------|----------|-------|----------|-------|----------|--------|----------|-------|---------|-------|----------|--------|---------|-------------|-------|----------|
|                                   | Off                        | Sp Off * | Total | General      |          |        |          |       |          | SC/ST |          |        |          |       |         | Total |          |        |         |             |       |          |
|                                   |                            |          |       | Male         |          | Female |          | Total |          | Male  |          | Female |          | Total |         | Male  |          | Female |         |             | Total |          |
|                                   |                            |          |       | Of f         | Sp Off * | Of f   | Sp Off * | Off   | Sp Off * | Of f  | Sp Off * | Of f   | Sp Off * | Off   | Sp Off* | Off   | Sp Off * | Off    | Sp Off* |             | Of f  | Sp Off * |
| <b>I. Crop Production</b>         |                            |          |       |              |          |        |          |       |          |       |          |        |          |       |         |       |          |        |         |             |       |          |
| Weed Managemen t                  | 2                          |          | 2     |              |          |        |          |       |          | 20    |          | 32     |          | 52    |         | 20    |          | 32     |         | 52          | 52    |          |
| Resource Conservatio n Technologi | 1                          |          | 1     |              |          |        |          |       |          | 2     |          | 17     |          | 19    |         | 2     |          | 17     |         | 19          | 19    |          |

|                              |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
|------------------------------|---|--|---|--|--|--|--|--|---|--|----|--|----|--|---|--|----|--|----|--|----|--|
| es                           |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Cropping Systems             | 2 |  | 2 |  |  |  |  |  | 7 |  | 21 |  | 28 |  | 7 |  | 21 |  | 28 |  | 28 |  |
| Crop Diversification         | 2 |  | 2 |  |  |  |  |  | 8 |  | 26 |  | 34 |  | 8 |  | 26 |  | 34 |  | 34 |  |
| Integrated Farming           |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Water management             |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Seed production              |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Nursery management           |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Integrated Crop Management   |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Fodder production            |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| Production of organic inputs |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| <b>II. Horticulture</b>      |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |
| <b>a) Vegetable Crops</b>    |   |  |   |  |  |  |  |  |   |  |    |  |    |  |   |  |    |  |    |  |    |  |























|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| fish culture  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pearl culture                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>IX Production of Inputs at site</b>              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |





| <b>XI Agro-forestry</b>  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
|--|----------------------------|--|-----------|--------------|--|--|--|--|-----------|----------|-----------|----------|--|------------|--|------------|--|------------|--|-----------|----------|-------------|
| Production technologies  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| Nursery management   |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| Integrated Farming Systems   |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| <b>TOTAL</b>   | <b>42</b>                  |  | <b>42</b> |              |  |  |  |  | <b>24</b> | <b>5</b> | <b>63</b> | <b>7</b> |  | <b>882</b> |  | <b>245</b> |  | <b>637</b> |  | <b>88</b> | <b>2</b> | <b>882</b>  |
|  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
|  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
|  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
|  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
|  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
|  |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| <b>(B) RURAL YOUTH</b>   |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| <b>3.3.3. Achievements on Training <u>Rural Youth</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes</b> |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| (*Sp. On means On Campus training programmes sponsored by external agencies)   |                            |  |           |              |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          |             |
| Thematic area  | No. of Trainings (Courses) |  |           | Participants |  |  |  |  |           |          |           |          |  |            |  |            |  |            |  |           |          | Grand Total |
|  |                            |  | Tot       | General      |  |  |  |  |           | SC/ST    |           |          |  |            |  | Total      |  |            |  |           |          |             |











|                                    |          |  |          | Of<br>f | Sp<br>Off<br>* | Of<br>f | Sp<br>Off<br>* | Off | Sp<br>Off<br>* | Of<br>f   | Sp<br>Off<br>* | Of<br>f   | Sp<br>Off<br>* | Off       | Sp<br>Off*<br>* | Off       | Sp<br>Off<br>* | Off       | Sp<br>Off*<br>* | Of<br>f   | Sp<br>Off<br>* |           |
|------------------------------------|----------|--|----------|---------|----------------|---------|----------------|-----|----------------|-----------|----------------|-----------|----------------|-----------|-----------------|-----------|----------------|-----------|-----------------|-----------|----------------|-----------|
| Mushroom<br>Production             | 1        |  | 1        |         |                |         |                |     |                | 1         |                | 9         |                | 10        |                 | 1         |                | 9         |                 | 10        |                | 10        |
| Bee-keeping                        |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Integrated<br>farming              |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Seed<br>production                 |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Production<br>of organic<br>inputs |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Integrated<br>Farming              |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Planting<br>material<br>production |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Vermi-<br>culture                  |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| Sericulture                        |          |  |          |         |                |         |                |     |                |           |                |           |                |           |                 |           |                |           |                 |           |                |           |
| <b>Weed<br/>managemen<br/>t</b>    | <b>1</b> |  | <b>1</b> |         |                |         |                |     |                | <b>8</b>  |                | <b>6</b>  |                | <b>14</b> |                 | <b>8</b>  |                | <b>6</b>  |                 | <b>14</b> |                | <b>14</b> |
| <b>Commercial<br/>crop</b>         | <b>1</b> |  | <b>1</b> |         |                |         |                |     |                | <b>12</b> |                | <b>13</b> |                | <b>25</b> |                 | <b>12</b> |                | <b>13</b> |                 | <b>25</b> |                | <b>25</b> |











|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Household food security                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women and Child care                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**3.3.6. Achievements on Training of Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes**

(\*Sp. Off means Off Campus training programmes sponsored by external agencies)

| Thematic area | No. of Trainings (Courses) |          |       | Participants |          |        |          |       |          |       |          |        |          |       |         |       |          |        |         |       | Grand Total |          |
|---------------|----------------------------|----------|-------|--------------|----------|--------|----------|-------|----------|-------|----------|--------|----------|-------|---------|-------|----------|--------|---------|-------|-------------|----------|
|               | Off                        | Sp Off * | Total | General      |          |        |          |       |          | SC/ST |          |        |          |       |         | Total |          |        |         |       |             |          |
|               |                            |          |       | Male         |          | Female |          | Total |          | Male  |          | Female |          | Total |         | Male  |          | Female |         | Total |             |          |
|               |                            |          |       | Of f         | Sp Off * | Of f   | Sp Off * | Off   | Sp Off * | Of f  | Sp Off * | Of f   | Sp Off * | Off   | Sp Off* | Off   | Sp Off * | Off    | Sp Off* | Of f  |             | Sp Off * |
|               |                            |          |       |              |          |        |          |       |          |       |          |        |          |       |         |       |          |        |         |       |             |          |











|                  |                                  |  |            |   |             |    |  |  |  |        |    |    |    |    |    |
|------------------|----------------------------------|--|------------|---|-------------|----|--|--|--|--------|----|----|----|----|----|
|                  | manag<br>ement                   |  |            |   |             |    |  |  |  |        |    |    |    |    |    |
| Agronom<br>y     | Soil<br>health                   | Soil health management   | 7/11/20    | 1 | Phishumi    | PF |  |  |  | 1<br>1 | 11 | 22 | 11 | 11 | 22 |
| Horticultu<br>re | Fruits                           | Production Technology of<br>Pineapple                                      | 17-01-2020 | 1 | Lumithsami  | PF |  |  |  | 8      | 19 | 27 | 8  | 19 | 27 |
| Horticultu<br>re | Fruits                           | Value Addition of Fruits<br>(Pineapple Juice &<br>Squash)                  | 24-01-2020 | 1 | Shichimi    | RY |  |  |  | 0      | 15 | 15 | 0  | 15 | 15 |
| Horticultu<br>re | Vegeta<br>bles                   | Organic Cultivation of<br>Okra   | 19-02-2020 | 1 | Alaphumi    | PF |  |  |  | 3<br>3 | 2  | 35 | 33 | 2  | 35 |
| Horticultu<br>re | Vegeta<br>ble                    | Value Addition of locally<br>available vegetables                          | 22-02-2020 | 1 | Sumi Settsu | RY |  |  |  | 9      | 11 | 20 | 9  | 11 | 20 |
| Horticultu<br>re | Vegeta<br>ble                    | Production Technology of<br>summer vegetables<br>(Chilli)                  | 27-02-2020 | 1 | Lumithsami  | PF |  |  |  | 1      | 26 | 27 | 1  | 26 | 27 |
| Horticultu<br>re | Vegeta<br>ble                    | Package of Practices for<br>French Beans                                   | 03-03-2020 | 1 | Naghuto Old | PF |  |  |  | 1<br>0 | 15 | 25 | 10 | 15 | 25 |
| Horticultu<br>re | Vegeta<br>ble                    | benefits of Mulching in<br>Vegetable Cultivation<br>(okra, tomato)         | 22-05-2020 | 1 | Akuluto     | FW |  |  |  | 0      | 14 | 14 | 0  | 14 | 14 |
| Horticultu<br>re | Nutriti<br>on                    | Awareness programme on<br>nutri garden                                     | 15-09-2020 | 1 | Lumami      | FW |  |  |  | 0      | 25 | 25 | 0  | 25 | 25 |
| Horticultu<br>re | Nutriti<br>on                    | Nutritional Garden, Nutri<br>Thali and Bio fortified<br>crops              | 19-09-2020 | 1 | Akuluto     | FW |  |  |  | 0      | 18 | 18 | 0  | 18 | 18 |
| Horticultu<br>re | Nutriti<br>on                    | Importance of Nutri-<br>Garden, Nutri Thali and<br>bio fortified Varieties | 28-09-2020 | 1 | Tichipami   | FW |  |  |  | 0      | 32 | 32 | 0  | 32 | 32 |
| Horticultu<br>re | Protect<br>ed<br>cultiva<br>tion | Vegetable Production<br>under low cost Polyhouse                           | 16-11-2020 | 1 | Shichimi    | PF |  |  |  | 3      | 27 | 30 | 3  | 27 | 30 |
| Horticultu<br>re | Vegeta<br>ble                    | Use of Pusa hydrogel in<br>Onion Cultivation                               | 17-11-2020 | 1 | Litta New   | PF |  |  |  | 1<br>2 | 17 | 29 | 12 | 17 | 29 |
| Horticultu       | Vegeta                           | Package of Practices for   | 17-11-2020 | 1 | Litta New   | PF |  |  |  | 1      | 17 | 29 | 12 | 17 | 29 |

|                     |                           |  |            |   |                        |             |  |  |  |        |    |    |    |    |    |
|---------------------|---------------------------|--|------------|---|------------------------|-------------|--|--|--|--------|----|----|----|----|----|
| re                  | bles                      | French Beans   |            |   |                        |             |  |  |  | 2      |    |    |    |    |    |
| Horticultu<br>re    | Value<br>additio<br>n     | Value addition of<br>Vegetables locally<br>available (Brinjal, radish,<br>solanum) | 19-11-2020 | 1 | Litta New              | PF          |  |  |  | 1<br>3 | 20 | 33 | 13 | 20 | 33 |
| Horticultu<br>re    | PHM                       | Post Harvest management<br>and Value addition of<br>Orange                         | 21-11-2020 | 1 | Litta New              | PF          |  |  |  | 5      | 5  | 10 | 5  | 5  | 10 |
| Horticultu<br>re    | Vegeta<br>bles            | Winter vegetable<br>production (Onion,<br>Cabbage, Carrot)                         | 24-11-2020 | 1 | Litta New              | PF          |  |  |  | 0      | 15 | 15 | 0  | 15 | 15 |
| Plant<br>Protection | IPM                       | Biopesticides applicati<br>on and its management                                   | 19/2/10    | 1 | Sumi Settsu            | PF          |  |  |  | 1<br>0 | 14 | 24 | 10 | 14 | 24 |
| Plant<br>Protection | IPM                       | IPM on citrus cultivation  | 22/2/20    | 1 | Alaphumi               | PF          |  |  |  | 9      | 11 | 20 | 9  | 11 | 20 |
| Plant<br>Protection | Mushr<br>oom              | Mushroom cultivation   | 25/10/20   | 1 | Lumami                 | RY          |  |  |  | 1      | 9  | 10 | 1  | 9  | 10 |
| Plant<br>Protection | IPM                       | IPM on Rice  | 20/02/2020 | 1 | Akuluto                | EP          |  |  |  | 7      | 9  | 16 | 7  | 9  | 16 |
| Home<br>science     | Value<br>additio<br>n     | Training on preparation of<br>Amla pickle  | 21-10-2020 | 1 | Yesholutomi<br>village | Farm<br>ers |  |  |  | 1      | 17 | 18 | 1  | 17 | 18 |
| Home<br>science     | Nutriti<br>onal<br>garden | Importance of nutritional<br>garden  | 21-10-2020 | 1 | Yesholutomi            | Farm<br>ers |  |  |  | 1      | 17 | 18 | 1  | 17 | 18 |
| Home<br>science     | Rural<br>craft            | Training on soap making  | 26-10-2020 | 1 | Alaphumi               | RY          |  |  |  |        | 12 | 12 |    | 12 | 12 |
| Home<br>science     | Nutriti<br>onal<br>garden | Importance of nutritional<br>garden  | 27-10-2020 | 1 | Alaphumi               | RY          |  |  |  |        | 12 | 12 |    | 12 | 12 |
| Home<br>science     | Rural<br>craft            | Training on candle<br>making   | 28-10-2020 | 1 | Alaphumi               | RY          |  |  |  |        | 12 | 12 |    | 12 | 12 |
| Home<br>science     | Value<br>additio<br>n     | Training on preparation of<br>solumum pickle                                       | 28-10-2020 | 1 | Alaphumi               | RY          |  |  |  |        | 12 | 12 |    | 12 | 12 |
| Home                | Value                     | Preparation of tapioca   | 26-11-2020 | 1 | Alaphumi               | Farm        |  |  |  |        | 20 | 20 |    | 20 | 20 |

|              |                |  |            |   |             |         |  |  |  |   |    |    |    |    |    |
|--------------|----------------|--|------------|---|-------------|---------|--|--|--|---|----|----|----|----|----|
| science      | addition       | cake   |            |   |             | ers     |  |  |  |   |    |    |    |    |    |
| Home science | Value addition | Preparation of pancake                       | 26-11-2020 | 1 | Alaphumi    | Farmers |  |  |  |   | 20 | 20 |    | 20 | 20 |
| Home science | Value addition | Preparation of tapioca cake                  | 27-11-2020 | 1 | Sumi settsu | Farmers |  |  |  |   | 10 | 10 |    | 10 | 10 |
| Home science | Value Addition | Preparation of Bmbooshoot pickle             | 27-11-2020 | 1 | Sumi settsu | Farmers |  |  |  |   | 10 | 10 |    | 10 | 10 |
| Agril. Extn. | SHG            | Function of SHGs                             | 25/08/2020 | 1 | Maromi      | PF      |  |  |  | 0 | 5  | 5  | 0  | 5  | 5  |
| Agril. Extn. | SHG            | Function of SHGs                             | 25/08/2020 | 1 | Maromi      | PF      |  |  |  | 0 | 6  | 6  | 0  | 6  | 6  |
| Agril. Extn. | SHG            | Function of SHGs                             | 25/09/2020 |   | Litta Old   | PF      |  |  |  | 2 | 10 | 12 | 2  | 10 | 12 |
| Agril. Extn. | SHG            | Function of SHGs                             | 09/10/2020 | 1 | Ajiqami     | PF      |  |  |  | 0 | 15 | 15 | 0  | 15 | 15 |
| Agril. Extn. | SHG            | Function of SHGs                             | 22/10/2020 | 1 | Litta New   | PF      |  |  |  | 1 | 12 | 13 | 1  | 12 | 13 |
| Agril. Extn. | F.P.O.         | Formation of F.P.O.                          | 26/11/2020 | 1 | Sumi Settsu | PF      |  |  |  | 3 | 9  | 12 | 3  | 9  | 12 |
| Agril. Extn. | F.P.O.         | Formation of F.P.O.                          | 27/11/2020 | 1 | Zaphumi     | PF      |  |  |  | 4 | 4  | 8  | 4  | 4  | 8  |
| Animal Sc.   | Poultry        | Important Poultry Diseases and their control | 17-01-2020 | 1 | Lumithsami  | PF      |  |  |  | 8 | 19 | 27 | 8  | 19 | 27 |
| Animal Sc.   | Pigger         | Swine Production and Management              | 17-01-2020 | 1 | Lumithsami  | PF      |  |  |  | 8 | 19 | 27 | 8  | 19 | 27 |
| Animal Sc.   | Poultry        | Brooding of Chicks                           | 19-02-2020 | 1 | Alaphumi    | PF      |  |  |  | 3 | 2  | 35 | 33 | 2  | 35 |
| Animal Sc.   | Poultry        | Backyard Poultry Farming                     | 21-02-2020 | 1 | Sumi Settsu | RY      |  |  |  | 9 | 11 | 20 | 9  | 11 | 20 |
| Animal Sc.   | Pigger         | Feeding Practices in Swine                   | 21-02-2020 | 1 | Sumi Settsu | RY      |  |  |  | 9 | 11 | 20 | 9  | 11 | 20 |
| Animal       | Poultr         | Poultry feeding practices                    | 22-05-2020 | 1 | Phishumi    | RY      |  |  |  | 4 | 4  | 8  | 4  | 4  | 8  |





|            |               |   |  |   |  |   |   |  |  |  |  |   |                     |   |   |       |  |
|------------|---------------|---|--|---|--|---|---|--|--|--|--|---|---------------------|---|---|-------|--|
| Vegetables | 27-29/01/2020 | 3 | Vegetable planting material production | Production of planting material for income generation |  | 1 | 1 |  |  |  |  | 1 | Seasonal vegetables | 1 | 1 | 10000 |  |
|------------|---------------|---|--|---|--|---|---|--|--|--|--|---|---------------------|---|---|-------|--|

\*training title should specify the major technology /skill transferred

### Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

| On/ Off/ Vocational | Beneficiary group (F/ FW/ RY/ EP) | Date (From-To)           | Duration (days) | Discipline     | Area of training | Title   | No. of Participants |   |   |       |    |    |       |    |    | Sponsoring Agency | Amount of fund received (Rs.) |
|---------------------|-----------------------------------|--------------------------|-----------------|----------------|------------------|---|---------------------|---|---|-------|----|----|-------|----|----|-------------------|-------------------------------|
|                     |                                   |                          |                 |                |                  |   | General             |   |   | SC/ST |    |    | Total |    |    |                   |                               |
|                     |                                   |                          |                 |                |                  |   | M                   | F | T | M     | F  | T  | M     | F  | T  |                   |                               |
| On                  | RY                                | 4/3/20 to 28/3/20        | 25              | Agronomy       | Skill training   | Organic Grower  |                     |   |   | 5     | 15 | 20 | 5     | 15 | 20 | ASCI              | 196000                        |
| On                  | RY                                | 4/3/20 to 28/3/20        | 25              | Animal Science | Skill training   | Small poultry farmer                                    |                     |   |   | 7     | 13 | 20 | 7     | 13 | 20 | ASCI              | 238000                        |
| On                  | RY                                | 23/11/2020 to 28/11/2020 | 6               | Animal Sc.     | Skill training   | Rearing of improved breeds of cattle and its management |                     |   |   | 3     | 17 | 20 | 3     | 17 | 20 | STRY              | 42000                         |

|              |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |  |        |
|--------------|--|--|--|--|--|--|--|--|--|--|----|----|----|----|----|----|--|--------|
| <b>Total</b> |  |  |  |  |  |  |  |  |  |  | 15 | 45 | 60 | 15 | 45 | 60 |  | 476000 |
|--------------|--|--|--|--|--|--|--|--|--|--|----|----|----|----|----|----|--|--------|

**3.4.Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2020**

| Sl. No. | Extension Activity                | Topic | Date and duration   | No. of activities | Participants |   |   |           |    |     |                         |   |   |                   |    |     |  |  |
|---------|-----------------------------------|-------|---|-------------------|--------------|---|---|-----------|----|-----|-------------------------|---|---|-------------------|----|-----|--|--|
|         |                                   |       |   |                   | General (1)  |   |   | SC/ST (2) |    |     | Extension Officials (3) |   |   | Grand Total (1+2) |    |     |  |  |
|         |                                   |       |   |                   | M            | F | T | M         | F  | T   | M                       | F | T | M                 | F  | T   |  |  |
| 1)      | Diagnostic visit                  |       |   | 3                 |              |   |   | 3         | -  | 3   |                         |   |   | 3                 | -  | 3   |  |  |
| 2)      | Scientist visit to farmer`s field |       | 7/11/20, 17-01-2020, 24-01-2020, 19-02-2020, 22-02-2020, 27-02-2020, 03-03-2020, 22-05-2020, 15-09-2020, 19-09-2020, 28-09-2020, 16-11-2020, 17-11-2020, 19-11-2020, 25/10/20, 20/02/2020, 21-10-2020, 26-10-2020, 27-10-2020, 28-10-2020, 26-11-2020, 27-11-2020, 11-12-2020 | 59                |              |   |   | 69        | 75 | 144 |                         |   |   | 69                | 75 | 144 |  |  |
| 3)      | Method demonstration              |       | 3/3/20, 22/5/20, 27/7/20,10/9/20, 19/9/20, 21/10/20, 23/10/20, 26/10/20,21-11-2020, 24-11-2020, 19/2/10, 22/2/20  | 20                |              |   |   | 256       | -  | 256 |                         |   |   | 256               | -  | 256 |  |  |
| 4)      | Farmers scientist interaction     |       | 22/5/20, 10/9/20, 19/9/20,  | 6                 |              |   |   | 79        | -  | 79  |                         |   |   | 79                | -  | 79  |  |  |

|                    |                            |                 |  |            |  |  |            |            |            |  |  |            |            |            |
|--------------------|----------------------------|-----------------|--|------------|--|--|------------|------------|------------|--|--|------------|------------|------------|
| 5)                 | Advisory /helpline service |                 |  | 6          |  |  | 4          | -          | 4          |  |  | 4          | -          | 4          |
| 6)                 | Vaccination camp           |                 | 7/11/2020  | 1          |  |  | 12         | 9          | 21         |  |  | 12         | 9          | 21         |
| 7)                 | Animal Health Camp         |                 | 19/2/20, 28/09/2020  | 2          |  |  | 32         | 27         | 59         |  |  | 32         | 27         | 59         |
| 8)                 | Plant health camp          |                 |  | 1          |  |  | 16         | 14         | 30         |  |  | 16         | 14         | 30         |
| 9)                 | Animal treatment           |                 | 3/3/20, 22/5/20,<br>27/7/20, 17-11-2020,<br>19-11-2020<br>25/10/20, 20/02/2020,<br>21-10-2020, 26-10-<br>2020, 27-10-2020<br>28-10-2020, 26-11-<br>2020, 27-11-2020, 10-<br>09-2020<br>28-09-2020, 29-10-2020,<br>07-11-2020<br>11-12-2020 | 27         |  |  | 18         | 9          | 27         |  |  | 18         | 9          | 27         |
| 10)                | Exhibition                 |                 |  | 1          |  |  | 10         | 12         | 22         |  |  | 10         | 12         | 22         |
| 11)                | Field days                 |                 |  | 1          |  |  | 16         | 11         | 27         |  |  | 16         | 11         | 27         |
| 12)                | Kisan Ghosti               |                 | 25/08/2020, 9/10/2020  | 2          |  |  | 17         | 12         | 29         |  |  | 17         | 12         | 29         |
| 13)                | Mahila mandal              |                 | 22/10/2020, 27/11/2020   | 2          |  |  | -          | 27         |            |  |  | -          | 27         |            |
| 14)                | T.V. Programme             | Organic farming | 3/2/2020   | 1          |  |  | -          | -          | -          |  |  | -          | -          | -          |
| 15)                | CSC                        |                 |  | 78         |  |  | -          | -          | -          |  |  | -          | -          | -          |
| 16)                | HRD                        |                 |  | 7          |  |  | -          | -          | -          |  |  | -          | -          | -          |
| 17)                | Benchmark survey           |                 | 26/11/2020   | 1          |  |  | 17         | 19         | 36         |  |  | 17         | 19         | 36         |
| 18)                | News paper coverage        |                 |  | 11         |  |  |            |            |            |  |  |            |            |            |
| 19)                | Research paper             |                 |  | 1          |  |  |            |            |            |  |  |            |            |            |
| <b>Grand Total</b> |                            |                 |  | <b>230</b> |  |  | <b>549</b> | <b>215</b> | <b>737</b> |  |  | <b>549</b> | <b>215</b> | <b>737</b> |

### 3.5 Production and supply of Technological products during 2020

#### A. SEED MATERIALS

| Major group/class | Crop | Variety | Quantity (qt) | Value (Rs.) | Number of recipient/ beneficiaries |       |             |
|-------------------|------|---------|---------------|-------------|------------------------------------|-------|-------------|
|                   |      |         |               |             | General                            | SC/ST | Grand Total |



|                      |  |  |  |  |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|--|--|--|--|
| OTHERS (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|--|--|--|--|

### C. Production of Bio-Products during 2020

| Major group/class     | Product Name | Species        | produced Quantity |      | Value (Rs.) | Number of Recipient /beneficiaries |   |       |   |             |
|-----------------------|--------------|----------------|-------------------|------|-------------|------------------------------------|---|-------|---|-------------|
|                       |              |                | No                | (qt) |             | General                            |   | SC/ST |   | Grand Total |
|                       |              |                |                   |      |             | M                                  | F | M     | F |             |
| <b>BIOAGENTS</b>      |              |                |                   |      |             |                                    |   |       |   |             |
| <b>BIOFERTILIZERS</b> | Vermicompost | Eisenia fetida |                   | 5    | 10000.00    |                                    |   | -     | - | -           |
| <b>BIO PESTICIDES</b> |              |                |                   |      |             |                                    |   |       |   |             |

### D. Production of livestock during 2020

| Sl. No. | Type/ category of livestock | Breed | Quantity |     | Value (Rs.) | Number of Recipient beneficiaries |   |       |   |       |
|---------|-----------------------------|-------|----------|-----|-------------|-----------------------------------|---|-------|---|-------|
|         |                             |       | (Nos)    | Kgs |             | General                           |   | SC/ST |   | Total |
|         |                             |       |          |     |             | M                                 | F | M     | F |       |
| 1       | Cattle/ Dairy               |       |          |     |             |                                   |   |       |   |       |
| 2       | Goat                        |       |          |     |             |                                   |   |       |   |       |
| 3       | Piggery                     |       |          |     |             |                                   |   |       |   |       |
| 4       | Poultry                     |       |          |     |             |                                   |   |       |   |       |
| 5       | Fisheries                   |       |          |     |             |                                   |   |       |   |       |
| 6       | Others (Specify)            |       |          |     |             |                                   |   |       |   |       |
|         | <b>Total</b>                |       |          |     |             |                                   |   |       |   |       |

### 3.6. Literature Developed/Published (with full title, author & reference) during 2020

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):

(B) Articles/ Literature developed/published

| Item                             | Title /and Name of Journal  | Authors name  | Number of copies       |                          |
|----------------------------------|---|---|------------------------|--------------------------|
|                                  |   |   | Produced/<br>published | Supplied/<br>distributed |
| 1. Research papers               | Application of BERT and CPM for monitoring and scheduling of survey research<br><br>Indian Journal of Extension Education Voll: 56(1)<br><br>Page:201-204 | Dr. Kundan Kumar, Dr. Survesh Kumar & Dr. Neha Pandey |                        |                          |
| 2. Training manuals              |   |   |                        |                          |
| 3. Technical Report              |   |   |                        |                          |
| Book/ Book Chapter               |   |   |                        |                          |
| Popular articles                 |   |   |                        |                          |
| 1. Technical bulletins           |   |   |                        |                          |
| 2. Extension bulletins           |   |   |                        |                          |
| 3. Newsletter                    | 1   |   | 500                    | 450                      |
| Conference/ workshop proceedings |   |   |                        |                          |
| Popular articles                 |   |   |                        |                          |
| Leaflets/folders                 |   |   |                        |                          |
| e-publications                   |   |   |                        |                          |
| Any other (Pl. specify)          |   |   |                        |                          |

|              |          |  |            |            |
|--------------|----------|--|------------|------------|
| <b>TOTAL</b> | <b>2</b> |  | <b>500</b> | <b>450</b> |
|--------------|----------|--|------------|------------|

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

**C) Details of Electronic Media Produced**

| <b>S. No.</b> | <b>Type of media (CD / VCD / DVD / Audio-Cassette)</b> | <b>Title of the programme</b> | <b>Number produced</b> |
|---------------|--|-------------------------------|------------------------|
|               |  |                               |                        |

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

***(a) Success Story on Tapioca Tuber for Cake Preparation***

- i. Profile of the farmer:** Ms. Kiyeshi K, Zaphumi Village,  
P.O. : Lumami, Dist. Zunheboto,  
India PIN -798627



- ii. Category:** Value addition in Tapioca
- iii. Background:** Ms. Kiyeshi K possess a 1.25 acres of ancestral land and cultivate tapioca after harvest of jhum paddy. She has learned the techniques of value addition and processing of fruits and vegetables, cake preparation and has been involved in training of women farmers in nearby villages (four numbers).
- iv. Training and motivational support :** Being a successful farmer, she has been able to motivate other women farmers and youths to generate more income through post-harvest technology and value addition.

- v. **Impact in the area** : Ms. Kiyeshi K has been able to generate an income of Rs. 12500.00 per month by selling of tapioca cakes. The cakes have now found its place in the menu of farmers and has helped in empowerment of women and nutritional security. She has been able to educate the women farmers regarding the utility of tapioca tubers which usually remains underutilized.
- vi. **Awards & recognitions** : Nil
- vii. **Contributing/enabling Factors**: KVK, Zunheboto has been playing a significant role in technology transfer with respect to value addition of available fruits and vegetables. It was found that the tapioca tubers remain underutilized and hence KVK took the technology of tapioca cake preparation at farmers field so that it can be utilized and can generate income for the farming community. Ms. Kiyeshi K after successfully attending the training and demonstration from KVK, Zunheboto she took keen interest on the technology. She has set up small value addition processing unit on different fruits and vegetables at her house and has started making different varieties of cakes with tapioca cake has been her main priority.

**3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year**

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

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

**3.10 Indicate the specific training need analysis tools/methodology followed for**

- Identification of courses for farmers/farm women : SRSWOR
- Rural Youth: SRSWOR
- Extension personnel: SRSWOR

**3.11 Field activities**



- i. Number of villages adopted :4
- ii. No. of farm families selected :76
- iii. No. of survey/PRA conducted :2

### 3.12. Activities of Soil and Water Testing

Status of establishment of Lab : NIL

- 1. Year of establishment :
- 2. List of equipment's purchased with amount :

| Sl. No       | Name of the Equipment |                          |              | Qty. | Cost |
|--------------|-----------------------|--------------------------|--------------|------|------|
|              | S&WT lab              | Mini lab/ Mridaparikshak | Manufacturer |      |      |
| 1            |                       |                          |              |      |      |
| 2            |                       |                          |              |      |      |
| 3            |                       |                          |              |      |      |
| <b>Total</b> |                       |                          |              |      |      |

### 3. Details of samples analyzed (2020) :

| Details         | No. of Samples analysed | No. of Farmers | No. of Villages | Amount ( In Rupees) realized |
|-----------------|-------------------------|----------------|-----------------|------------------------------|
| Soil Samples    | 40                      | 521            | 8               |                              |
| Water Samples   |                         |                |                 |                              |
| Plant Samples   |                         |                |                 |                              |
| Petiole Samples |                         |                |                 |                              |
| <b>Total</b>    | <b>40</b>               | <b>521</b>     | <b>8</b>        |                              |

NB: Soil test done using mini soil testing kit

### 4. Details of Soil Health Cards (SHCs) (2020)

- a. No. of SHCs prepared:521
- b. No. of farmers to whom SHCs were distributed: 521
- c. Name of the Major and Minor nutrients analyzed: NPK and Zinc and Boron

### 3.13. Details of SMS/ Voice Calls sent on various priority areas

| Message type        | Crop           |                    | Livestock      |                    | Weather        |                    | Marketing      |                    | Awareness      |                    | Other Ent.     |                    | Total          |                    |
|---------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|
|                     | No. of Message | No. of Beneficiary | No. of Message | No. of Beneficiary | No. of Message | No. of Beneficiary | No. of Message | No. of Beneficiary | No. of Message | No. of Beneficiary | No. of Message | No. of Beneficiary | No. of Message | No. of Beneficiary |
| Text only           | 6              | 3239               | 3              | 1284               | -              | -                  | -              | -                  | 5              | 2945               | 3              | 1859               | 17             | 9327               |
| Voice only          |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |
| Voice and Text both |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |                |                    |
| <b>Total</b>        | <b>6</b>       | <b>3239</b>        | <b>3</b>       | <b>1284</b>        | <b>-</b>       | <b>-</b>           | <b>-</b>       | <b>-</b>           | <b>5</b>       | <b>2945</b>        | <b>3</b>       | <b>1859</b>        | <b>17</b>      | <b>9327</b>        |

### 3.14 Contingency planning for 2020

#### a. Crop based Contingency planning

| Contingency (Drought/ Flood/ Cyclone/ Any other please specify) | Proposed Measure                                   | Proposed Area (In ha.) to be covered | Number of beneficiaries proposed to be covered |       |       |
|---|--|--------------------------------------|--|-------|-------|
|   |  |                                      | General  | SC/ST | Total |
|   | Introduction of new variety or crop                |                                      |  |       |       |
|   | Introduction of Resource Conservation Technologies |                                      |  |       |       |
| Drought   | Distribution of seeds and planting materials       | 100                                  |  | 200   | 200   |
| Insects infestation outbreak                                    | Distribution of pesticides & IPM kits              | 100                                  |  | 200   | 200   |

#### a. Livestock based Contingency planning

| Contingency (Drought/ Flood/ Cyclone/ Any) | Number of birds/ animals to be | No. of programmes to | No. of camps to be organized | Proposed number of animals/ birds to be covered through camps | Number of beneficiaries proposed to be covered |
|--|--------------------------------|----------------------|------------------------------|---|--|
|  |                                |                      |                              |   |  |

| other please specify) | distributed | be undertaken |   |    | General | SC/ST | Total |
|-----------------------|-------------|---------------|---|----|---------|-------|-------|
|                       |             |               |   |    |         |       |       |
| Poultry               | 500         | 1             | 1 | 50 |         | 25    | 25    |
| Piggery               | 30          | 1             | 1 | 15 |         | 25    | 25    |

#### 4.0. IMPACT

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

| 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)

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

#### 5.0. LINKAGES ESTABLISHED

##### 5.1. Functional linkage with different organizations established during 2020

| Name of organization/ Agency                 | Nature of linkage  |
|--|--|
| 1.Nagaland University                        | Scientific & Administrative  |
| 2.ICAR , NRC on Mithun                       | Scientific, participation in meeting,. Administrative and financial      |
| 3.SARS                                       | Scientific, participation in meeting,. Administrative and financial      |
| 4. ATMA, DAO, DVO, DHO, DRDA, DFO, DSCO, DPO | Scientific, participation in meeting, financial and joint implementation |

|   |   |
|---|---|
| 5. NABARD   | Scientific and joint implementation                         |
| 6. Directorate of Arecanut and Spices Development, Ministry of Agriculture, Department of Agriculture | Training, Demonstration and production of planting material |
| 7. ASCI   | Skill Training  |
| 8. MANAGE Hyderabad   | Skill Training  |

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

## 5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2020

| Name of the scheme/<br>special programme | Activity | Date/ Month of initiation | Funding agency                 | Amount (Rs.) |
|--|----------|---------------------------|--------------------------------|--------------|
| Paramparagat Krishi<br>Vikas Yojana      |          | 10/9/2020, 14/10/2020     | Ministry of Agriculture (ICAR) |              |
| KSHAMTA                                  |          |                           | ICAR                           | 50,000.00    |
| NARI                                     |          |                           | ICAR                           | 50,000.00    |
| NCIPM                                    |          |                           | ICAR / NCIMP                   | 3,75,000.00  |
| IMD - DAMU                               |          |                           | IMD                            | 1,20,000.00  |
| SAP                                      |          |                           | ICAR                           | 40,500.00    |
| Almora Project Under<br>VPKAS            |          |                           | ICAR                           | 6,00,000.00  |
| Skill Development<br>Training Prog.      |          |                           | ACAR                           | 4,84,000.00  |
| Cluster Frontline Demo.<br>Of Oilseeds   |          |                           | ICAR                           | 73,468.00    |

|  |  |                              |      |           |
|--|--|------------------------------|------|-----------|
| Cluster Frontline Demo. of Pulses                        |  |                              | ICAR | 90,000.00 |
| World Soil Health Day                                    |  | 05/12/2020                   |      |           |
| Soil health card day                                     |  | 19/02/2020                   |      |           |
| Poshan Mah   |  | 17/09/2020                   |      |           |
| Web casting of the address by the Hon'ble Prime Minister |  | 28/01/2020                   |      |           |
| Mahila Kissan Diwas                                      |  | 15/10/2020                   |      |           |
| Constitution day   |  | 26/11/2020                   |      |           |
| Swachhata Pakhwadda                                      |  | 16-31 <sup>st</sup> Dec 2020 |      |           |
| National Unity day                                       |  | 31/10/2020                   |      |           |
| Awareness on new farm acts                               |  |                              |      |           |
| International women's day                                |  | 8/03/2020                    |      |           |

### 5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

| Sl. No. | Programme                     | Nature of linkage  | Remarks |
|---------|-------------------------------|--|---------|
| 1       | Farmers Scientist Interaction | Scientific, participation in meeting, financial and joint implementation |         |

**5.4 Give details of programmes implemented under National Horticultural Mission**

| S. No. | Programme | Nature of linkage | Constraints if any |
|--------|-----------|-------------------|--------------------|
|        |           |                   |                    |

**5.5 Nature of linkage with National Fisheries Development Board**

| S. No. | Programme | Nature of linkage | Remarks |
|--------|-----------|-------------------|---------|
|        |           |                   |         |

**6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2020**

**6.1 Performance of demonstration units (other than instructional farm)**

| Sl. No. | Demo Unit<br>(Name and No.) | Year of estd. | Area  | Details of production         |                    |      | Amount (Rs.)   |              | Remarks |
|---------|-----------------------------|---------------|-------|-------------------------------|--------------------|------|----------------|--------------|---------|
|         |                             |               |       | Variety/<br>species/<br>breed | Type of<br>Produce | Qty. | Cost of inputs | Gross income |         |
| 1       | IFS                         | 2018          | 1ha   |                               |                    | 1    | -              |              | Ongoing |
| 2       | Nutri Garden                | 2020          | 0.005 |                               |                    | 1    | 25000.00       |              | Ongoing |

**6.2 Performance of instructional farm (Crops) including seed production during 2020**

| Name | Date of | Date of | Ar<br>ea<br>(ha ) | Details of production | Amount (Rs.) | Remarks |
|------|---------|---------|-------------------|-----------------------|--------------|---------|
|      |         |         |                   |                       |              |         |



| <b>Spices &amp; Plantation crops</b> |      |      |      |             |        |        |  |      |  |
|--------------------------------------|------|------|------|-------------|--------|--------|--|------|--|
| i.                                   |      |      |      |             |        |        |  |      |  |
| <b>Floriculture</b>                  |      |      |      |             |        |        |  |      |  |
| i.                                   |      |      |      |             |        |        |  |      |  |
| <b>Fruits</b>                        |      |      |      |             |        |        |  |      |  |
| i. Mango                             | 2018 | 2020 | 0.08 | Amra Pali   | Fruits | 375pc  |  | 1500 |  |
| ii. Banana                           | 2018 | 2020 | 0.06 | Grand naine | Fruits | 10kg   |  | 1200 |  |
| iii. Passion fruit                   | 2018 | 2020 | 0.05 | Yellow      | Fruits | 32.5kg |  | 1300 |  |
| iv. Assam lemon                      | 2018 |      | 0.04 |             |        |        |  |      |  |
| <b>Vegetables</b>                    |      |      |      |             |        |        |  |      |  |
| <b>i. Farm Manager</b>               |      |      |      |             |        |        |  |      |  |
| <b>a. Others (specify)</b>           |      |      |      |             |        |        |  |      |  |
| i.                                   |      |      |      |             |        |        |  |      |  |

### 6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.) during 2020

| Sl. No. | Name of the Product | Qty    | Amount (Rs.)   |              | Remarks |
|---------|---------------------|--------|----------------|--------------|---------|
|         |                     |        | Cost of inputs | Gross income |         |
| 1       | Vermicompost        | 500 kg |                | 10000.00     |         |

### 6.4 Performance of instructional farm (livestock and fisheries production) during 2020

| Sl. | Name | Details of production | Amount (Rs.) | Remarks |
|-----|------|-----------------------|--------------|---------|
|-----|------|-----------------------|--------------|---------|



| No | of the animal / bird / aquatics | Breed/ species | Type of Produce | Qty. | Cost of inputs | Gross income |                          |
|----|---------------------------------|----------------|-----------------|------|----------------|--------------|--------------------------|
| 1  | Cow                             | HF             | Milk            | 1    | 43768.00       |              | Newly initiated          |
| 2  | Fishery                         | -              | -               | -    | -              |              | Water stagnation problem |
| 3  | Poultry                         | Broiler        | Meat            | 200  | 36000          |              | Newly initiated          |

### 6.5 Rainwater Harvesting

#### Training programmes conducted by using Rainwater Harvesting Unit/ structureduring 2020

| Date | Title of the training course | Client (PF/R/EF) | No. of Courses | No. of Participants including SC/ST |        |       |
|------|------------------------------|------------------|----------------|-------------------------------------|--------|-------|
|      |                              |                  |                | Male                                | Female | Total |
|      |                              |                  |                |                                     |        |       |

### 6.6 Utilization of hostel facilities (Month-Wise) during 2020

Accommodation available (No. of beds):

| Months       | Title of the training course/Purpose of stay | Duration of Training | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
|--------------|--|----------------------|------------------------|----------------------------|--------------------------------|
|              |  |                      |                        |                            |                                |
| <b>Total</b> |  |                      |                        |                            |                                |

Note: (Duration of the training course X No. of trainees)=Trainee days

## 7. FINANCIAL PERFORMANCE

### 7.1 Details of KVK Bank accounts

| Bank account   | Name of the bank | Location/ Branch | Account Number |
|----------------|------------------|------------------|----------------|
| With KVK       | SBI              | Lumami           | 32196734473    |
| Revolving fund | SBI              | Lumami           | 31674931931    |
|                |                  |                  |                |

### 7.2 Utilization of funds under CFLD on Oilseeds and Pulses (Rs. In Lakhs) if applicable during 2020

| Item                                   | Released by ICAR/ATARI (in lakh)           |                             | Expenditure (in lakh)               |                                 | Unspent balance as on 31 <sup>st</sup> March, 2020 |
|--|--|-----------------------------|-------------------------------------|---------------------------------|--|
|  | Amount                                     | Amount                      | Amount                              | Amount                          |  |
| Inputs                                 | Sanctioned<br>1. Oilseeds Rs.<br>56,250.00 | Released<br>1. Rs.56,250.00 | Opening balance<br>1. Rs. 28,250.00 | Expenditure<br>1. Rs. 72,000.00 | 1. Rs (-) 44,000.00                                |
|  | 2. Pulses Rs.<br>90,000.00                 | 2. Rs.38,700.00             | 2. Rs. NIL                          | 2. Rs. 80,000.00                | 2. Rs. (-) 41,300.00                               |
| Extension activities<br>TA/DA/POL etc. |  |                             |                                     |                                 |  |
| <b>TOTAL</b>                           | <b>Rs. 1,46,250.00</b>                     | <b>Rs. 94,950.00</b>        | <b>Rs. 28,250.00</b>                | <b>Rs. 1,52,000.00</b>          | <b>Rs. (-) 85,300.00</b>                           |

### 7.3 Utilization of KVK funds during the year 2020

| S. No.                            | Particulars                 | Sanctioned (in Lakh) | Released (in Lakh) | Expenditure (in Lakh) |
|-----------------------------------|-----------------------------|----------------------|--------------------|-----------------------|
| <b>A. Recurring Contingencies</b> |                             |                      |                    |                       |
| 1                                 | <b>Pay &amp; Allowances</b> | 280.29               | 279.81             | 272.89                |
| 2                                 | <b>Traveling allowances</b> | 2.30                 | 2.30               | 0.53                  |

|                                       |  |               |               |               |
|---------------------------------------|--|---------------|---------------|---------------|
| 3                                     | <b>Contingencies</b>   | 17.18         | 17.27         | 17.35         |
| A                                     | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) |               |               |               |
| B                                     | POL, repair of vehicles, tractor and equipments  |               |               |               |
| C                                     | Meals/refreshment for trainees   |               |               |               |
| D                                     | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)                                      |               |               |               |
| E                                     | Frontline demonstration except oilseeds and pulses   |               |               |               |
| F                                     | On farm testing (on need based, location specific and newly generated information in the major production systems of the area)                                 |               |               |               |
| G                                     | Training of extension functionaries  |               |               |               |
| H                                     | Maintenance of buildings   |               |               |               |
| I                                     | Establishment of Soil, Plant & Water Testing Laboratory  |               |               |               |
| J                                     | Library  |               |               |               |
| <b>TOTAL (A)</b>                      |  | <b>299.77</b> | <b>300.28</b> | <b>290.77</b> |
| <b>B. Non-Recurring Contingencies</b> |  |               |               |               |
| 1                                     | <b>Works</b>   |               |               |               |
| 2                                     | <b>Equipments including SWTL &amp; Furniture</b>   | 1.80          | 1.74          | 1.34          |
| 3                                     | <b>Vehicle</b> (Four wheeler, please specify)  |               |               |               |

|                            |  |               |               |               |
|----------------------------|--|---------------|---------------|---------------|
| 4                          | Library (Purchase of assets like books & journals) |               |               |               |
| <b>TOTAL (B)</b>           |  | <b>1.80</b>   | <b>1.74</b>   | <b>1.34</b>   |
| <b>C. REVOLVING FUND</b>   |  |               |               |               |
| <b>GRAND TOTAL (A+B+C)</b> |  | <b>301.57</b> | <b>302.02</b> | <b>295.89</b> |

**7.4 Status of Revolving Fund (Rs. in lakhs) for last three years**

| Year                     | Opening balance as on 1 <sup>st</sup> April | Income during the year | Expenditure during the year | Net balance with KVK (in lakh) |
|--------------------------|---|------------------------|-----------------------------|--------------------------------|
| April 2018 to March 2019 | 1.88  | 1.90                   | 0.88                        | 2.90                           |
| April 2019 to March 2020 | 2.90  | 0.55                   | 0.10                        | 3.35                           |
| April 2020 to March 2021 | 3.35  | 0.23                   | 00                          | 3.58                           |

**Note: No KVK must leave this table blank**

**8.0 Please include information which has not been reflected above.**

**(Write in detail)**

**8.1 Constraints and Suggestion (Provide point-wise if any, for recommendation)**

(a)Administrative

b) Financial: Funds should be provided for infrastructural development at KVK for demonstration units, quarters, fencing and farmers guest house.

(c)Technical

**(Signature)**  
**Sr. Scientist cum Head**