**ANNUAL REPORT 2017-18 (April, 2017 to March, 2018)**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Krishi Vigyan Kendra , Balasore | Office | FAX | Kvkbalasore.ouat@gmail.com |
| AT/PO-Devog,Via- Singla,Balasore,Pin-756023 | 06781-253303 |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Office | FAX |  |
| OUAT, Bhubaneswar, Odisha | 0674-2397362 | 0674-2397933 | [deanextension\_ouat@rediffmail.com](mailto:deanextension_ouat@rediffmail.com)  deanextensionouat@yahoo.com |

1.3. Name of the Programme Coordinator with phone & mobile No.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Residence | Mobile | Email |
| Dr. Sunil Kumar Mohapatra | 06782-253303 | 9437460806 | [kvkbalasore.ouat@gmail.com](mailto:kvkbalasore.ouat@gmail.com) |

1.4. Year of sanction of KVK: 1983

1.5. Staff Position (as on 1st April, 2018)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline** | **Pay**  **Scale with present basic** | **Date of joining** | **Permanent/**  **Temporary** | **Category (SC/ST/**  **OBC/**  **Others)** |
|  | Senior Scientist & Head | Dr. Sunil Kumar Mohapatra | Senior scientist and Head | Horticulture | 15600-39100 + AGP 8000/-  Present Basic 19380/- | 10/01/2006 | Permanent | Others |
|  | Scientist | Manoj Kumar Jena | Scientist | Soil Scientist | 15600-39100 + AGP 6000/-  Present Basic 24850/- | 13/02/2006 | Permanent | Others |
|  | Scientist | DR.Amita rani Patra | Scientist | Home Science | 15600-39100 + AGP 6000/-  Present Basic 21390/- | 22/10/2009 | Permanent | Others |
|  | Scientist | Pravamanjari Giri | Scientist | Crop Production | 15600-39100 + AGP 6000/-  Present Basic 15600/- | 01/01/2016 | Permanent | Others |
|  | Scientist | Dr. Gayatree Sahoo | Scientist | Plant protection | 15600-39100 + AGP 6000/-  Present Basic 15600/- | 29/12/2015 | Permanent | Others |
|  | Scientist | Sefali Rout | Scientist | Forestry | 15600-39100 + AGP 6000/-  Present Basic 15600/- | 05/10/2015 | Permanent | Others |
|  | Scientist | Vacant | - | - | - | - | - | - |
|  | Programme Assistant | Niroj Kumar Jena | Programme Assistant | Seed Science | 9300- 34000 +AGP 4200  Present Basic 10130/- | 28/12/2015 | Permanent | Others |
|  | Computer  Programmer | Sanjay Kumar Barik | Programme Assistant | Computer Science | 9300- 34000 +AGP 4200  Present Basic 16430/- | 01/07/2005 | Permanent | Others |
|  | Farm Manager | Vacant | - | - | - | - | - | - |
|  | Accountant / Superintendent | Vacant | - | - | - | - | - | - |
|  | Stenographer | Pravat Kumar Swain | Steno Cum Computer Operator | - | 5200-20200 + GP-2400  Present Basic 6170/- | 06/03/2014 | Permanent | Others |
|  | Driver | Sanjay Kumar Das | Driver Cum Mechanic | - | 5200-20200+GP 1900/-  Present Basic 7130/- | 25/07/2008 | Permanent | Others |
|  | Driver | Birendra Kumar Parida | Driver Cum Mechanic | - | 5200-20200+GP 1900/-  Present Basic 6110/- | 17/02/2014 | Permanent | Others |
|  | Supporting staff | Debendra Nath Das | Peon Cum Watchman | - | 4440-7440+GP 1500/-  Present Basic 6040/- | 01/08/2008 | Permanent |  |
|  | Supporting staff | Rajkishore Mohapatra | Peon Cum Watchman | - | 4440-7440+GP 1500/-  Present Basic 6500/- | 26/12/2007 | Permanent | Others |

1.6. Total land with KVK (in ha) :

|  |  |  |
| --- | --- | --- |
| S. No. | Item | Area (ha) |
| 1 | Under Buildings | 0.8 |
| 2. | Under Demonstration Units | 0.3 |
| 3. | Under Crops | 0.5 |
| 4. | Orchard/Agro-forestry | 0.2 |
| 5. | Mini IFS unit | 0.1 |
| 6. | Poly house and Shade net | 0.2 |
| 7. | Unutilized Land (Encroached) | 5.5 |
|  | Total | 7.62 |

*Total area should be matched with breakup*

1.7. Infrastructure Development:

A) Buildings and others

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of infrastructure | Not yet started | Completed up to plinth level | Completed up to lintel level | Completed up to roof level | Totally completed | Plinth area (sq.m) | Under use or not\* | Source of funding |
| 1. | Administrative  Building |  |  |  |  | Yes |  |  | ICAR |
| 2. | Farmers Hostel |  |  |  |  | Yes |  |  | ICAR |
| 3. | Staff Quarters (6) |  |  |  |  |  |  |  |  |
| 4. | Piggery unit | Yes |  |  |  |  |  |  |  |
| 5 | Fencing |  |  |  |  | Yes |  |  | RKVY |
| 6 | Rain Water harvesting structure | Yes |  |  |  |  |  |  |  |
| 7 | Threshing floor |  |  |  |  | Yes |  |  | ICAR |
| 8 | Farm go down |  |  |  |  | Yes |  |  | ICAR |
| 9. | Dairy unit | Yes |  |  |  |  |  |  |  |
| 10. | Poultry unit | Yes |  |  |  | Yes |  |  | RKVY |
| 11. | Goatery unit | Yes |  |  |  |  |  |  |  |
| 12. | Mushroom Lab | Yes |  |  |  |  |  |  |  |
| 13. | Mushroom production unit |  |  |  |  | Yes |  |  | ICAR |
| 14. | Shade house |  |  |  |  | Yes |  |  | RKVY |
| 15. | Soil test Lab |  |  |  |  | Yes |  |  | RKVY |
| 16 | Others, Please Specify |  |  |  |  |  |  |  |  |

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

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of vehicle | Year of purchase | Cost (Rs.) | Total km. Run | Present status |
| Bike | 2010 | 50000 | 21405 | Running |
| Bolero | 2011 | 460534 | 102346 | Running |

C) Equipment & AV aids

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
| a. **Lab equipment** | | | | |
| Mrida parikshyak | 2016-17 |  | Working properly | ICAR-ATARI, Jabalpur |
| Drying Cabinet | 2017-18 | 14898 | Working properly | ICAR-ATARI, Kolkata |
| Digital Refractometer | 2017-18 | 14900 | Working properly | ICAR-ATARI, Kolkata |
| Crown cap sealing machine | 2017-18 | 5900 | Working properly | ICAR-ATARI, Kolkata |
| Vacuum sealing machine | 2017-18 | 1980 | Working properly | ICAR-ATARI, Kolkata |
| Stainless steel knife, measuring cup , glass jar .1 set | 2017-18 | 1950 | Working properly | ICAR-ATARI, Kolkata |
| Food processor | 2017-18 | 4950 | Working properly | ICAR-ATARI, Kolkata |
| b. **Farm machinery** | | | | |
| Mini power weeder | 2016-17 | 31000 | Working | ICAR-ATARI, Jabalpur |
| Post hole digger | 2016-17 | 27120 | Working | ICAR-ATARI, Jabalpur |
| c. **AV Aids** | | | | |
| Projector | 2016-17 | 16450 | Working properly | ICAR-ATARI, Jabalpur |
| Television | 2017-18 | 44300 | Working properly | ICAR-ATARI, Kolkata |

D) Farm implements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
| Power sprayer | 2016-17 | 16294 | Working | ICAR-ATARI, Jabalpur |
| secateurs | 2016-17 | 1275 | Working |
| Line marker | 2016-17 | 2790 | Working |
| Hedge cutter | 2016-17 | 2200 | Working |
| Manual lawn mower | 2016-17 | 6000 | Working |
| Knapsack sprayer | 2016-17 | 2982 | Working |
| Multiple agar | 2016-17 | 2800 | Working |
| Multi-crop dry-land weeder | 2016-17 | 3600 | Working |
| Hand chaff cutter | 2016-17 | 2800 | Working |
| Pressure sprayer | 2016-17 | 1200 | Working |

1.8. Details SAC meeting\* conducted in the year

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Date | Number of Participants | Salient Recommendations | Action taken | If not conducted, state reason |
| 1. | 26/07/2017 | 30 | * Demonstration on molaculture & GIFT Tilapia should be conducted in the adopted villages of KVK in convergence with fishery dept. * An on-farm trial should be taken up on cultivation of paddy straw mushroom using threshed straw * Compost based mushroom cultivation from spent straw should be tested by KVK * Demonstration on drying & packaging of oyster mushroom should be conducted * KVK should facilitate linkage between SHGs, OLM & Horticulture dept. for mushroom cultivation * Demonstration on value addition of milk (Paneer, chena, Sweet curd) should be done in convergence with ARD. * Capacity building training on “Preparation of dairy products” should be organized by KVK in collaboration with ARD, Balasore * KVK should create massive awareness programme on Pradhan Mantri Fasal Beema Yojana. * YMV tolerant local land races of Green gram & Black gram to be sent to RRTTS, Ranital for research. * KVK should create awareness on less use of chemical pesticides for paddy stem borer during Kharif. * Awareness/Training programme on time of harvesting & storage of vegetables should be organized in convergence with horticulture department. * Demonstration on potato var. Kufri pokhraj to replace Kufri jyoti due to long duration & high pest and disease load may be conducted. * Awareness creation among farmers for cluster-wise cultivation of vegetable crops for better marketing * KVK scientist should attend the farmers club meeting under “Meet the expert programme” of NABARD * KVK should go for extensive campaign for water conservation * KVK should play the role of experts for NABARD sponsored agri-preneurship & Agri-clinic scheme * KVK, Balasore may utilize the expertise of fishery, Agril. Engineering, veterinary Sc., Horticulture from ring KVKs (Bhadrak, Mayurbhanj-1) | * Linkage between SHGs, OLM, RSETI & Horticulture dept. for mushroom cultivation has been developed * Training programme on value addition of milk has been conducted * Awareness programme on Pradhan Mantri Fasal Beema Yojana and financial literacy programme has been conducted in adopted village in collaboration with NABARD, RESTI, UCO Bank * Emphasis has been given on less and safe use of chemical pesticides during different training programme * During different training programmes and field visit, awareness has been created among farmers for cluster-wise cultivation of vegetable crops for better marketing and availing govt. subsidies | * OFT on value addition of milk has been taken for the 2018-19 action plan. * Others recommendation will be implemented during 2018-19 |

*\* Salient recommendation of SAC in bullet form*

**PROCEEDINGS OF THE XXI SCIENTIFIC ADVISORY COMMITTEE MEETING**

The XXI Scientific Advisory Committee Meeting of KVK, Balasore was held on 26th July, 2017 in the Conference Hall of KVK under the Chairmanship of Dr. M.P. Nayak, Joint Director, Extension (Information), OUAT, Bhubaneswar.The meeting was started at 10.30 am with a warm welcome to Dr. M.P. Nayak, Joint Director, Extension (Information), OUAT and other SAC members by Sr. Scientist & Head. The Chairman & other dignitaries inaugurated the meeting by lighting the sacred lamp. The Chairman briefed the importance of the SAC meeting for the better functioning of KVK and started the proceedings as per the agenda.

**Agenda-I: Approval of the proceedings of the last SAC meeting**

The Sr. Scientist & Head briefly presented the proceedings of the last SAC meeting of KVK which was circulated earlier to all the members. The Chairman taking the consent of the members approved the proceedings.

**Agenda-II: Action taken report on the proceedings of the last SAC meeting**

The Sr. Scientist & Head presented the **Action Taken Report** of the KVK as per the recommendation of the last meeting as mentioned below.

**Action Taken Report on Recommendation of the XXth Scientific Advisory Committee Meeting held on 30.11.2016**

|  |  |  |
| --- | --- | --- |
| **Sl. No** | **Recommendations** **/Suggestions** | **Action Taken** |
|  | An OFT on alternative source of organic manure other than poultry manure in betel vine should be conducted | RCOF, Bhubaneswar has been contacted to supply waste decomposer for conducting an experiment on composting of locally available organic waste. |
|  | KVK should work with line departments of the district | KVK is organizing various convergence programmes involving officials of line department, regular R-E meeting, in-service training, resource person in different programmes, monitoring BGREI, NFSM, diagnostic field visit etc. |
|  | KVK should facilitate marketing of various agricultural commodities | Mushroom growers association has been formed, facilitating farmer-producer companies with support of NABARD. A proposal has been given to Sj. R.N. Das, Advisor, State Planning Board, Odisha for development of market yards adjacent to N.H. 16. |
|  | Regular skill development trainings for rural youths should be organized by KVK | Regular skill development trainings on Mushroom cultivation, honey bee, lac cultivation for rural youths are being organized. |
|  | KVK should promote Paneer production technologies through SHGs | OFT on “Assessment of value added products of milk” has been conducted. Training has been imparted to SHGs of village Kudumansing in convergence with RSETI, Balasore. |
|  | KVK should facilitate linkage of producers to Mushroom growers association | Membership for nearly 120 growers to Mushroom Growers Association, Balasore has been facilitated. |
|  | KVK should ensure timely supply of quality seedlings of different crops | Quality seedling of papaya, tomato, brinjal, cauliflower, cabbage, marigold, elephant foot yam and yam has been timely supplied to farmers at reasonable price. |
|  | YMV tolerant local varieties of Green Gram should be collected & Screened at RRTTS, Ranital | 04 nos. of local YMV registrant varieties of green gram has been sent to CPR, Berhampur for further screening. |
|  | Spodoptera management in mustard through community approach should be promoted by KVK | Spodoptera menance was managed through community approach in an area of 150acre involving all the beneficiaries of cluster demonstration at Sahada, Basta. |
|  | More nos. of trainings on vaccination to rural youth/paravet workers should conducted | 20 nos. of community linked worker in live stock management has been trained in veterinary first-aid & vaccination techniques with the support of ARD and Dhan Foundation. |
|  | KVK should develop progressive farmers as technology agents/master trainers through capacity building | Master trainers in Mushroom, honey bee & vermin-compost have been developed through capacity building training and regular updation of skill and knowledge |
|  | Viral disease problem in papaya should be referred to RRTTS, Ranital for further research | Leaf curl and mosaic virus problem in papaya has already been referred to RRTTS, Ranital. |
|  | Popularization of off-season vegetables like cabbage, cauliflower, tomato & coloured capsicum | Awareness on cultivation of off-season vegetables (cabbage, cauliflower) has been done on various training programmes. In this regard a workshop has been planned to be organized at Nilgiri block in collaboration with Horticulture department. |
|  | Popularisation of farm mechanization should be done by KVK | Farmer friendly farm implements like paddy drum seeder, cono weeder, winnower, groundnut decorticator maize sheller, power weeder, coconut de-husker for drudgery reduction has been demonstrated |

**Agenda-III: Achievements made by KVK**

The Sr. Scientist & Head presented the achievements for the year 2016-17

**Training:** The KVK has conducted 66nos. training programmes for practicing farmers and farm women, 07 nos. for rural youth and 06 nos. for extension functionaries.

**On farm testing:** The KVK has conducted 12nos. of OFTs on major thrust areas like Assessment of Integrated management of fruit flies in bitter gourd, integrated management of shoot and fruit borer of okra, integrated management of Spodoptera in Mustard, stem borer management in summer paddy, Zinc and Triacontanol on leaf yield of Betel vine, Rice nutrient manager in transplanted rice, VAM in Groundnut for better phosphorous availability and nodulation, molybdenum application In Green gram, different strains of paddy straw mushroom (v. volvacea), poultry breeds in backyard, value added products of milk for higher income, salt tolerant varieties of rice and different cropping systems in unbounded upland rice fallow

**Front Line Demonstration:** The KVK has conducted 15 nos. of FLDs on various aspects like demonstration of Boron application in transplanted rice, Potassium and zinc application for management of iron toxicity in transplanted rice, Foliar application of Boron mixed with Urea in Cucumber, management of sheath blight in medium land transplanted rice, Management of Nematodes in Betel Vine, Management of chilli thrips, Kusumi Lac in Ber trees, Poultry Breed Black rock in backyard, Demonstration on Coconut dehusker, Scientific Beekeeping, Cluster Demonstration on Groundnut, Toria, Sesamum & Black Gram.

1. **Other extension activities:** During the period KVK has conducted 01 Kisan mela, 09 field days, 02 soil test campaign, 02 SHG convenor meeting, 05nos of animal health camp, 04nos. Of workshop, 04nos. Of clean India campaign, 03nos of special day celebration, 02 radio programmes, 05 TV programmes, published 02 booklets, 02 leaflets & 01 issues of KVK Newsletter**.** Also 10nos. Of R-E Interface meeting & 22nos. of convergence programme was conducted during 2016-17.

**Agenda-IV: Action plan of KVK**

The Sr. Scientist & Head presented the action plan of KVK for the year 2017-18. 05nos. of OFTs, 21 nos. of FLDs, 60 nos. of trainings for farmers and farm women, 16 nos. for rural youths and 15 nos. for extension functionaries formulated for the period were discussed.

**Agenda-V: Constraints of KVK**

The Sr. Scientist & Head presented the constraints of KVK and drew kind attention of the Chairman and members of the house on the following points.

1. The post of section officer is lying vacant since last 6 years.
2. KVK is located in a remote area far away from district HQs.
3. Frequent failure of power and internet connectivity.
4. Insufficient farm land.

The dignitaries released the KVK newsletter “Shyamala”,

The Chairman appreciated the overall activities of KVK. He has suggested the following action points after considering the suggestions made by the members.

1. Demonstration on molaculture & GIFT Tilapia should be conducted in the adopted villages of KVK in convergence with fishery dept.
2. An on-farm trial should be taken up on cultivation of paddy straw mushroom using threshed straw
3. Compost based mushroom cultivation from spent straw should be tested by KVK
4. Demonstration on drying & packaging of oyster mushroom should be conducted
5. KVK should facilitate linkage between SHGs, OLM & Horticulture dept. for mushroom cultivation
6. Demonstration on value addition of milk (Paneer, chena, Sweet curd) should be done in convergence with ARD.
7. Capacity building training on “Preparation of dairy products” should be organized by KVK in collaboration with ARD, Balasore
8. KVK should create massive awareness programme on Pradhan Mantri Fasal Beema Yojana.
9. YMV tolerant local land races of Green gram & Black gram to be sent to RRTTS, Ranital for research.
10. KVK should create awareness on less use of chemical pesticides for paddy stem borer during Kharif.
11. Awareness/Training programme on time of harvesting & storage of vegetables should be organized in convergence with horticulture department.
12. Demonstration on potato var. Kufri pokhraj to replace Kufri jyoti due to long duration & high pest and disease load may be conducted.
13. Awareness creation among farmers for cluster-wise cultivation of vegetable crops for better marketing
14. KVK should document the success story of orchid grower at Maitapur, Balasore
15. KVK scientist should attend the farmers club meeting under “Meet the expert programme” of NABARD
16. KVK should go for extensive campaign for water conservation
17. KVK should play the role of experts for NABARD sponsored agri-preneurship & agri-clinic scheme
18. KVK, Balasore may utilize the expertise of fishery, Agril. Engineering, veterinary Sc., Horticulture from ring KVKs (Bhadrak, Mayurbhanj-1)
19. KVK should promote protected cultivation of high value horticultural crops

The meeting was ended at 3.15 pm with a warm vote of thanks by Sr. Scientist & Head

**List of participants in the SAC Meeting**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name** | **Designation** | **Address** |
| 1 | Dr. Mahamaya Prasad Nayak | JDE (Information) | DEE, OUAT |
| 2 | S.K. Acharaya | DDF, Balasore | DDF, Balasore |
| 3 | Paresh Chandra Sahu | DDA, Balasore | DDA, Balasore |
| 4 | Om Prakash Rath | DDH, Balasore | DDH, Balsore |
| 5 | Nityananda Das | CDVO, Balasore | CDVO, Balasore |
| 6 | Dr. S.K. Mohanty | SS&H, KVK, Balasore | KVK, Balasore |
| 7 | Dr. B.K. Panda | Principal Scientist | ICAR-IIWM, BBSR |
| 8 | Dr. U.S Nayak | Senior Scientist | RRTTS, Ranital |
| 9 | Dr. Tapan Ch. Pallai | Scientist (Animal Science) | KVK, Bhadrak |
| 10 | Biswaranjan Samantaray | Scientist( Fishery Science) | KVK, Mayurbhanj-I |
| 11 | Sushanta Kumar Sarangi | Regional Coordinator | Dhan foundation, Balasore |
| 12 | Anjan Kumar Dandapat | Farmer representative | Sahada, Balasore |
| 13 | Sri Ananta Kumar Rout | Farmer representative | At/Po-Dagara, Balasore |
| 14 | D.Harekrishna | LDM, Balasore | LDM, Balasore |
| 15 | B.C. Dhal | AGM, NABARD | AGM, NABARD, Balasore |
| 16 | R.K. Das | APD, Watershed | PD, Watershed, Balasore |
| 17 | Mrs. Urmila Behera | Representative of Women Farmer | At/Po-Machhua, Nilgiri |
| 18 | Mrs. Arati Sahoo | Representative of Women Farmer | At/Po-Sanakhuidi, Basta |
| 19 | Sri Rajendra Rana | Chief Coordinator, ARM (NGO) | At-Parulia, Asti, Baliapal, Balasore |
| 20 | Sri Arun Kumar Mandal | OIC, IPO, Balasore | O/o IPO, Balasore |
| 21 | Sri Gajendra Sahoo | Farmer representative | At/Po-Sahada, Balasore |
| 22 | Sri Bhagaban Panigrahi | Farmer representative | At/Po- Haripur, Simulia, Balasore |
| 23 | Mrs. Basanti Dalai | Director, RSETI, Balasore | O/o UCO, RSETI, Remuna, Balasore |
| 24 | Sri Ranjan Kumar Bhuyan | Farmer representative | At/Po-Katisahi, Balasore |
| 25 | Sri Jagabandhu Mohanty | Farmer representative | AT-Tahalia, Remuna, Balasore |
| 26 | Sri Rabindra Nath Jena | Farmer representative | At/Po-Sugo, Jaleswar, Balasore |
| 27 | Dr. (Mrs) Amita Rani Patra | Scientist (Home Science) | KVK, Balasore |
| 28 | Mr. Manoj Kumar Jena | Scientist (Soil Science) | KVK, Balasore |
| 29 | Ms. Pravamanjari Giri | Scientist (Agronomy) | KVK, Balasore |
| 30 | Dr. (Ms) Gayatree Sahoo | Scientist (Plant Protection) | KVK, Balasore |
| 31 | Mr. Niroj Kumar Jena | PA (Seed Sc. & Technology) | KVK, Balasore |
| 32 | Mrs. Gayatree Mishra | Programme Officer, DSWO, Balasore | O/o DSWO, Balasore |

2. a. District level data on agriculture, livestock and farming situation (2017-18)

|  |  |  |
| --- | --- | --- |
| Sl. no. | Item | Information |
| 1 | Major Farming system/enterprise | Rice-Oilseeds-Vegetables |
| 2 | Agro-climatic Zone | North Eastern Coastal Plain Zone |
| 3 | Agro ecological situation | Alluvial rain-fed |
| 4 | Soil type | **Alluvial, Red lateritic, Saline** |
| 5 | Productivity (t/ha) of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others | Paddy – 2.48, Groundnut – 2.23, Green Gram -0.52  Brinjal- 16.79, Banana – 18.51 |
| 6 | Mean yearly temperature, rainfall, humidity of the district | **Max. 36.10C , Min. 13.70C, 1568.4mm, 75%** |
| 7 | Production of major livestock products like milk, egg, meat etc. | Milk - 4,45,872 litres/day, **Egg- 32987456nos.** , **Meat- 18189 MT** |

Note: Please give recent data only

2. b. **Details of operational area / villages (2017-18)**

| **Sl.**  **No.** | **Name of Taluk** | **Name of the block** | **Name of the villages** | **Major crops**  **& enterprises** | **Major problems identified (crop-wise)** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- | --- |
|  | Balasore | Bhograi | Pantei | Paddy, Groundnut, Bitter Gourd, Okra | Submergence problem, Non adoption of additional income sources like poultry, goatery by the low income families | * Early, medium and flood tolerant high yielding rice varieties * High yielding oilseeds cultivation technology * Integrated insect pest and disease management practices * Integrated nutrient management |
|  | Balasore | Remuna | Tahalia | Paddy, Cole crops, Mushroom | Low yield in vegetables, low yield in fish, lack of exposure for freshwater prawn culture | * Intensive fish and fresh water prawn culture. * Integrated insect pest and disease management practices * Integrated nutrient management * Diversified cropping pattern |
|  | Balasore | Nilgiri | Asanbani | Paddy, Goatery, Poultry | Local poultry & goat farming, cultivation of only paddy crop, Unscientific lac cultivation | * Wasteland afforestation with forest and medicinal plants, integrated farming and utilization of forest produce. * Encourage organization of farmers/farmwomen & popularization of power plough, seed drills, inter culture and harvesting implements. * Integrated insect pest and disease management practices * Integrated nutrient management |
|  | Balasore | Basta | Agarpada | Paddy, Poultry | Salinity problem, adoption of local varieties of rice with less market demand | * Integrated insect pest and disease management practices * Integrated nutrient management |
|  | Balasore | Simulia | Haripur | Paddy, Green Gram, Vegetables | Adoption of local varieties of rice with less market demand, low yield of mustard, low yield of fish | * Diversified cropping pattern * Integrated insect pest and disease management practice * Integrated nutrient management |

2. c**. Details of village adoption programme**:

Name of the villages adopted by PC and SMS (2017-18) for its development and action plan

|  |  |  |
| --- | --- | --- |
| **Name of village** | **Block** | **Action taken for development** |
| Pantei | Bhograi | Training, OFT, FLD, IRRI head to head trial, Awareness Programme on Schemes Of Line Department, Animal Health Camp |
| Agarpada | Basta | Training FLD Awareness Programme on Schemes Of Line Department, Animal Health Camp |
| Tahalia | Remuna | Training, IRRI head to head trial, FLD Awareness Programme on Schemes Of Line Department, Animal Health Camp |
| Asanbani | Nilgiri | Training, FLD on rice-toria paira cropping system, Lac cultivation, |
| Haripur | Simulia | Training & FLD on Sheath blight management, CFLD-Toria, |

2.1 **Priority thrust areas**

|  |  |
| --- | --- |
| **S. No** | **Thrust area** |
|  | Early, medium and flood tolerant high yielding rice varieties. |
|  | High yielding oilseeds cultivation technology. |
|  | High yielding pulse cultivation technology. |
|  | Commercial cultivation of coconut, banana, papaya and hybrid vegetables |
|  | Adoption of mushroom cultivation, beekeeping and vermicompost. |
|  | Encourage organization of farmers/farmwomen & popularization of power plough, seed drills, inter culture and harvesting implements. |
|  | Integrated insect pest and disease management practices. |
|  | Profitable betel vine & Jute cultivation. |
|  | Artificial insemination and broiler poultry farming. |
|  | Intensive fish and fresh water prawn culture. |
|  | Wasteland aforestation with forest and medicinal plants, integrated farming and utilization of forest produce. |
|  | Integrated nutrient management |
|  | Diversified cropping pattern |

3. **TECHNICAL ACHIEVEMENTS**

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OFT | | | | | | FLD | | | | | |
| No. of technologies: | | | | | | No. of technologies: | | | | | |
| Number of OFTs | | Number of farmers | | | | Number of FLDs | | Number of farmers | | | |
| Target | Achievement | Target | Achievement | | | Target | Achievement | Target | Achievement | | |
|  |  |  | SC/ ST | Others | Total |  |  |  | SC/ ST | Others | Total |
| 8 | 8 | 74 | 24 | 50 | 74 | 17 | 14 | 170 | 56 | 84 | 140 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Training | | | | | | Extension activities | | | | | |
| Number of Courses | | Number of Participants | | | | Number of activities | | Number of participants | | | |
| Target | Achievement | Target | Achievement | | | Target | Achievement | Target | Achievement | | |
|  |  |  | SC/ ST | Others | Total |  |  |  | SC/ ST | Others | Total |
| 53 | 44 | 1205 | 508 | 702 | 1210 | 2000 | 1882 | - | 1611657 | 5714060 | 7325717 |

|  |  |  |  |
| --- | --- | --- | --- |
| Seed production (q) | | Planting material (in Lakh) | |
|  | |  | |
| Target | Achievement | Target | Achievement |
| - | - | 0.20000 | 0.16055 |

|  |  |  |  |
| --- | --- | --- | --- |
| Livestock strains and fish fingerlings produced (in lakh)\* | | Soil, water, plant, manures samples tested (in lakh) | |
| Target | Achievement | Target | Achievement |
| 0.0200 | 0.0206 | 0.0100 | 0.0085 |

* \* Give no. only in case of fish fingerlings

|  |  |  |
| --- | --- | --- |
| Publication by KVKs | | |
| Item | Number | No. circulated |
| Research paper | - | - |
| Seminar/conference/ symposia papers | - | - |
| Books | - | - |
| Bulletins | - | - |
| News letter | 1 | 500 |
| Popular Articles | - | - |
| Book Chapter | - | - |
| Extension Pamphlets/ literature | 7 | 500 |
| Technical reports | - | - |
| Electronic Publication (CD/DVD etc) | 1 | 1 |
| TOTAL | 9 | 1001 |

1 **Achievements on technologies assessed and refined**

OFT-1

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of molybdenum application in Green gram** |
| 2. | Problem diagnosed | Poor nitrogen fixation and yield of Green gram due to molybdenum Deficiency |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | TO1: STBF + seed treatment with Rhizobium @50g/kg seed  TO2: STBF + seed treatment with Rhizobium (50g/kg seed) & sodium [molybdate@0.4g/kg](mailto:molybdate@0.4g/kg) seed. |
| 4. | Source of Technology | OUAT,2002 |
| 5. | Production system and thematic area | Rice-Green gram cropping system and Integrated nutrient management |
| 6. | Performance of the Technology with performance indicators | Seed treatment with Rhizobium and sodium molybdate helps in batter nodunation & nitrogen fixation resulting in higher yield |
| 7. | Final recommendation for micro level situation | For Higher yield of Green gram ,seed treatment should be done with Rhizobium @50g/kg.seed & sodium Molybdate @0.4g/kg seed and fertilizer application based on soil test results. |
| 8. | Constraints identified and feedback for research | Sodium molybdate is not available in local market Good quality rhizobium culture is not identy available. |
| 9. | Process of farmers participation and their reaction | There was complete involvement of beneficiary farmer in the trial & were satisfied with the results. |

*Thematic area: Integrated nutrient management,*

Problem definition:

Technology assessed: Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (q/ha) | Cost of cultivation(Rs./ha) | Gross return (Rs/ha) | Net return  (Rs./ha) | BC ratio |
| No. of pods/plant | No. of branches/plant | Test wt. (100 seed wt.) |
| FP | 13 | 19. | 4.40 | 3.58 | 15 | 6.95 | 22000 | 34750 | 12750 | 1.58 |
| TO-1 | 13 | 24.6 | 4.6 | 3.62 | 7 | 7.56 | 22100 | 37800 | 15700 | 1.71 |
| TO-2 | 13 | 27.5 | 4.7 | 3.66 | 6 | 8.12 | 22250 | 40600 | 18350 | 1.82 |

Results: STBF + seed treatment with Rhizobium (50g/kg seed) & sodium [molybdate@0.4g/kg](mailto:molybdate@0.4g/kg) seed produced higher seed yield of 8.12q/ha

OFT-2

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of molybdenum application in Tomato** |
| 2. | Problem diagnosed | Low yield of Tomato due to micro nutrient deficiency and poor nutrient use efficiency |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | Seedling treatment with bio fertilizer (Azotobacter@2%Solution) foliar spray of water soluble fertilizers(N:P:K 19:19:19@0.5%)at 30DAT+foliar application of micronutrient mixture (borax0.2%and ZnSo4 0.5%)at 45DAT |
| 4. | Source of Technology | IIVR Varanasi-2008 |
| 5. | Production system and thematic area | Rice-Vegetable Cropping system Integrated nutrient management |
| 6. | Performance of the Technology with performance indicators | Seedling root dip with biofertilizer and foliar application of nutrients enhances yield by increasing no. of fruits/ plant & weight of fruits. |
| 7. | Final recommendation for micro level situation | For higher yield seedling root dip with Azotobacter 0.2% solution and foliar spray of N:P:K 19:19:19 0.5% at 30DAT and micro nutrient mixture (borax 0.2% and ZnSo4 0.5%) at 45DAT. |
| 8. | Constraints identified and feedback for research | Good quality biofertilizer are not available in local market. |
| 9. | Process of farmers participation and their reaction | During the entire persion of the trail the farmer shown keen intrest. They learn through method demonstration. The farmers express satisfication over the result of the trail. |

*Thematic area: Integrated nutrient management,*

Problem definition: Low yield of Tomato due to micro nutrient deficiency and poor nutrient use efficiency

Technology assessed: Seedling root dip with biofertilizer and foliar application of nutrients

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (q/ha) | Cost of cultivation(Rs./ha) | Gross return (Rs/ha) | Net return  (Rs./ha) | BC ratio |
| No. of Fruits/plant | Avg. fruit weight. | Test wt. (100 seed wt.) |
| FP | 13 | 42.6 | 75.4 |  | 15.2 | 352.5 | 110000 | 282000 | 172000 | 2.56 |
| TO-1 | 13 | 50.2 | 86.2 |  | 8.4 | 416.8 | 111700 | 333440 | 221740 | 2.99 |

OFT-3

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of Rice Crop Manager in Transplanted Rice** |
| 2. | Problem diagnosed | Low yield of rice due to improper nutrient management |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | TO1: Soil test based fertilizer dose (STBFR)  TO2: Fertilizer application as per Rice crop manager |
| 4. | Source of Technology | OUAT, 2014 |
| 5. | Production system and thematic area | Integrated nutrient management |
| 6. | Performance of the Technology with performance indicators | EBT/Hill, no of grains/panicle, Panicle length, grain yield, B:C Ratio |
| 7. | Final recommendation for micro level situation | Fertilizer recommendation according to the rice crop manager (RCM) |
| 8. | Constraints identified and feedback for research | The farmers are not acquainted with the use of computer and mobile phones |
| 9. | Process of farmers participation and their reaction | They actively participated as each farmers field get unique recommendation on improved fertilizer management along with sources, rates and timing |

*Thematic area:* Integrated Crop Management

Problem definition: Imbalanced and heavy dose of Urea and DAP application along with no use of micronutrient fertilizer.

Technology assessed: Assessment of Rice Crop Manager (RCM) in transplanted Rice

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (q/ha) | Cost of cultivation  (Rs./ha) | Gross return (Rs/ha) | Net return  (Rs./ha) | BC ratio |
| No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (1000 grain wt.) |
| Farmers practice | 7 | 7 | 96 | 19.12 | 25 | 42.8 | 40000 | 64200 | 24200 | 1.60 |
| TO1: Soil test based fertilizer dose (STBFR) | 7 | 8 | 104 | 21.03 | 15 | 47.2 | 40500 | 70800 | 30300 | 1.75 |
| TO2: Fertilizer application as per Rice crop manager | 7 | 10 | 109 | 20.92 | 12 | 47.7 | 40000 | 71550 | 31550 | 1.78 |

Results: The use of RCM technology in rice increases no. of effective tillers, no. of spikelet per panicle and test weight along with less infestation of disease pest as compare to farmers practice and it increase grain yield by 12 % without any increase in cost of cultivation.

OFT-4

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of Integrated Nutrient Management in Toria** |
| 2. | Problem diagnosed | Low seed yield due to deficiency of nutrients, 25-30%less yield than potential yield |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or refined | Seed treatment with Azotobacter@ 25g/kg seed + Basal soil application of Sulphur@ 40 kg & ZnSO4@ 5kg/ha + foliar spray of Boron(20%) @ 1.5g/ltr of water at 40 and 55 days after sowing |
| 4. | Source of Technology | ICAR-DRMR, 2012 |
| 5. | Production system and thematic area | Integrated nutrient management |
| 6. | Performance of the Technology with performance indicators | No. of Siliqua/plant, Seed yield , Oil content %, B:C Ratio |
| 7. | Final recommendation for micro level situation | Seed treatment with Azotobacter@25g/kg seed along with basal application of sulphur @40 kg/ha & ZnSO4@ 5kg/ha followed by foliar application of Boron(20%) @ 1.5g/ltr of water at 40 and 55 days after sowing |
| 8. | Constraints identified and feedback for research | Good quality biofertilizer are not available in local market |
| 9. | Process of farmers participation and their reaction | During the entire process of the trail the farmer shown keen intrest. They learn through method demonstration. The farmers express satisfication over the result of the trail. |

*Thematic area:* Integrated Crop Management

Problem definition: non use of secondary and micronutrients

Technology assessed: Assessment of integrated nutrient management in Toria

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (q/ha) | Cost of cultivation  (Rs./ha) | Gross return (Rs/ha) | Net return  (Rs./ha) | BC ratio |
| No. of siliqua/plant | Seed/ siliqua | Test wt. (1000 grain wt.) |
| Farmers practice | 13 | 209 | 10 | 4.1 | 27 | 5.5 | 12000 | 19250 | 7250 | 1.60 |
| Seed treatment with Azotobacter@ 25g/kg seed + Basal soil application of Sulphur@ 40 kg & ZnSO4@ 5kg/ha + foliar spray of Boron(20%) @ 1.5g/ltr of water at 40 and 55 days after sowing | 13 | 236 | 12 | 4.2 | 16 | 7.8 | 14500 | 27300 | 12800 | 1.88 |

Result: Seed treatment with Azotobacter@25g/kg seed along with basal application of sulphur @40 kg/ha & ZnSO4@ 5kg/ha followed by foliar application of Boron(20%) @ 1.5g/ltr of water at 40 and 55 days after sowing considerably increases the seed yield of Toria by 42 % over farmers practices.

OFT-5

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of Poultry breed in Backyard** |
| 2. | Problem diagnosed | Low Income from rearing poultry breed - Banspatri |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | T1: Backyard rearing of Poultry breed Kaveri  T2: Backyard rearing of poultry breed Nirbhik |
| 4. | Source of Technology | T1- CPDO, Bhubaneswar, 2008  T2- CPDO, Bhubaneswar, 2010 |
| 5. | Production system and thematic area | Income generation activities for women empowerment |
| 6. | Performance of the Technology with performance indicators | Egg per year, ABW, B.C. Ratio and age of sexual maturity |
| 7. | Final recommendation for micro level situation | Final Result is awaited |
| 8. | Constraints identified and feedback for research | Pure breed is not available plentily |
| 9. | Process of farmers participation and their reaction | Actively participated and excited with new colorful breed. |

*Thematic area:* Income generation activities for women empowerment

Problem definition: Low Income from rearing poultry breed

Technology assessed: Assessment of Poultry Breed Variety for backyard rearing

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease incidence (%) | Yield  (Kg/bird in 2 months) | Cost of cultivation  (Rs./ birds) | Gross return (Rs./ birds) | Net return  (Rs./ birds) | BC ratio |
| ABW of 2 months/bird (kg) | age of sexual maturity | Egg per year |
| FP: Banspatri | 7 (15 birds each) | 0.4 | Egg laying not started |  |  | 0.4 | 95 | 100 | 5 | 1.05 |
| TO1: Backyard rearing of Poultry breed Kaveri | 7 (15 birds each) | 1.2 |  |  | 1.2 | 135 | 165 | 30 | 1.22 |
| TO2: Backyard rearing of poultry breed Nirbhik | 7 (15 birds each) | 1.0 |  |  | 1.0 | 135 | 160 | 25 | 1.18 |

OFT-6

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of Different Strains of Paddy Straw Mushroom (*V. volvacea*)** |
| 2. | Problem diagnosed | Low yield (Avg. 500 g to 700g/bed) due to low biological efficiency |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | TO1: Cultivation of strain OSM-11  TO2: Cultivation of strain OSM-12  The strains OSM-11 and OSM-12 are tolerant to disease, pest, heat and have high biological efficiency. |
| 4. | Source of Technology | CTMRT, OUAT, 2013 |
| 5. | Production system and thematic area | Income generation activities for women empowerment |
| 6. | Performance of the Technology with performance indicators | Yield/bed, bio-efficiency, bud weight and B:C Ratio |
| 7. | Final recommendation for micro level situation | OSM-11 strain of paddy straw mushroom spawn is recommended for better yield and income |
| 8. | Constraints identified and feedback for research | Unavailability of plenty mushroom spawn strain in time |
| 9. | Process of farmers participation and their reaction | Actively participated and they are satisfied with this strain |

*Thematic area:* Income generation activities for women empowerment

Problem definition: Low yield (Avg. 700 g to 1 kg/bed) due to low biological efficiency

Technology assessed: Assessment of different strains of Paddy Straw Mushroom

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease pest incidence (%) | Yield/bed  (kg/bed) | Cost of cultivation  (Rs./bed) | Gross return (Rs./bed) | Net return  (Rs./bed) | BC ratio |
| Days of fruiting | Bud weight | Yield/bed |
| FP | 7 | 12 days |  | 0.65 |  | 0.65 | 55 | 78 | 23 | 1.41 |
| TO1: Cultivation of strain OSM-11 | 7 | 11 days |  | 0.8 |  | 0.8 | 55 | 96 | 41 | 1.74 |
| TO2: Cultivation of strain OSM-12 | 7 | 12 days |  | 0.725 |  | 0.725 | 55 | 87 | 32 | 1.58 |

Results: Mushroom spawn strain OSM -11 gave yield 0.8kg/bed in summer, which is it 13 &78 % increase in yield and net return over farmers practice, respectively and may give more yield in rainy season.

OFT-7

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of Integrated Stem Borer Management in Summer Paddy** |
| 2. | Problem diagnosed | Low yield in rice due to high incidence of rice stem borer, area affected -20,000ha, extent of loss – 30 to 60% |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | TO1: Nursery treatment with Cartap hydrochloride 4G@ 1 kg a.i. per hectare +Pheromone trap @5Nos./ha for monitoring + alternate spraying of fipronil 5EC @ 2ml/ltr of water at 2days after maximum trap catch and Lambda cyhalothrin 5EC @2ml/ ltr water at 10 -12 days interval 55 DAT + Release of *T. chilonis*@ 50,000/ha thrice 7 days after each spraying  TO2:Nursery treatment with carbofuran 3G@ 1.5kg a.i./ha, + Pheromone trap @5Nos./ha for monitoring + Spraying of cartap hydrochloride 50WP @ 2ml/ltr at 2days after maximum trap catch and soil application of Rynaxypyr 4G@ 10kg/ha at 55DAT + thrice release of T. chilonis @ 50,000/ha 7days after each spraying |
| 4. | Source of Technology | Directorate of Rice Research (2010) |
| 5. | Production system and thematic area | IPM |
| 6. | Performance of the Technology with performance indicators | Infected hill/ m2, Yield (q/ha), Economics |
| 7. | Final recommendation for micro level situation | Nursery treatment with carbofuran 3G@ 1.5kg a.i./ha, + Pheromone trap @5Nos./ha for monitoring + Spraying of cartap hydrochloride 50WP @ 2ml/ltr at 2days after maximum trap catch and soil application of Rynaxypyr 4G@ 10kg/ha at 55DAT + thrice release of T. chilonis @ 50,000/ha 7days after each spraying |
| 8. | Constraints identified and feedback for research | Lack of availability of biocontrol agents (*T. chilonis)* and lures of pheromone trap in local market |
| 9. | Process of farmers participation and their reaction | Farmers are curious about the use of biocontrol agents in pest management aspect and are completely involved and very cooperative throughout the process,. |

*Thematic area: IPM*

Problem definition: Stem borer management in summer paddy

**Technology assessed**:

FP: Spraying of Triazophos 40EC@ 2ml/ltr of water

TO1: Nursery treatment with Cartap hydrochloride 4G@ 1 kg a.i. per hectare +Pheromone trap @5Nos./ha for monitoring + alternate spraying of fipronil 5EC @ 2ml/ltr of water at 2days after maximum trap catch and Lambda cyhalothrin 5EC @2ml/ ltr water at 10 -12 days interval 55 DAT + Release of *T. chilonis*@ 50,000/ha thrice 7 days after each spraying

TO2:Nursery treatment with carbofuran 3G@ 1.5kg a.i./ha, + Pheromone trap @5Nos./ha for monitoring + Spraying of cartap hydrochloride 50WP @ 2ml/ltr at 2days after maximum trap catch and soil application of Rynaxypyr 4G@ 10kg/ha at 55DAT + thrice release of T. chilonis @ 50,000/ha 7days after each spraying

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (q/ha) | Cost of cultivation  (Rs./ha) | Gross return (Rs/ha) | Net return  (Rs./ha) | BC ratio |
| No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) |
| FP: Spraying of Triazophos 40EC @ 2ml/lit water | 7 | 4.65 | 65.28 | 2.01g | 10.23 | 44.1 | 40830.00 | 66150.00 | 25320.00 | 1.62 |
| TO1: Nursery treatment with Cartap hydrochloride 4G@ 1 kg a.i. per hectare +Pheromone trap @5Nos./ha for monitoring + alternate spraying of fipronil 5EC @ 2ml/ltr of water at 2days after maximum trap catch and Lambda cyhalothrin 5EC @2ml/ ltr water at 10 -12 days interval 55 DAT + Release of *T. chilonis*@ 50,000/ha thrice 7 days after each spraying | 7 | 5.03 | 74.28 | 2.45g | 9.15 | 54.8 | 49220.00 | 82800.00 | 32980.00 | 1.67 |
| TO2:Nursery treatment with carbofuran 3G@ 1.5kg a.i./ha, + Pheromone trap @5Nos./ha for monitoring + Spraying of cartap hydrochloride 50WP @ 2ml/ltr at 2days after maximum trap catch and soil application of Rynaxypyr 4G@ 10kg/ha at 55DAT + thrice release of T. chilonis @ 50,000/ha 7days after each spraying | 7 | 5.89 | 78.98 | 2.51g | 7.79 | 57.1 | 47320.00 | 102780.00 | 38329.00 | 1.81 |

**Results**: Nursery treatment with carbofuran 3G@ 1.5kg a.i./ha, + Pheromone trap @5Nos./ha for monitoring + Spraying of cartap hydrochloride 50WP @2ml/ltr at 2days after maximum trap catch and soil application of Rynaxypyr 4G@ 10kg/ha at 55DAT + thrice release of T. chilonis @ 50,000/ha 7days after each spraying proved the best with B:C ratio 1.81

**OFT-8**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | **Assessment of Integrated Management of YMV in Green Gram** |
| 2. | Problem diagnosed | Low yield due to heavy occurrence of yellow vein mosaic virus, area affected-500ha, extent of loss – 60-80% |
| 3. | Details of technologies selected for assessment/refinement  (Mention either Assessed or Refined) | TO1: Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Need based alternate spraying of Neem oil 1500ppm@ 3ml/ltr & Flonicamid 50WG@ 1g/3ltr water at 10 days interval  TO2: Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Barrier crop Maize(3-row) + Need Based spraying of Neem oil 1500ppm@ 3ml/ltr & Thiamethoxam 25WG@ 5g/15ltr water at 10 days interval |
| 4. | Source of Technology | TNAU, 2014 |
| 5. | Production system and thematic area | IPM |
| 6. | Performance of the Technology with performance indicators | Infected Plant/ m2, Seed Yield (q/ha), Economics |
| 7. | Final recommendation for micro level situation | Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Need based alternate spraying of Neem oil 1500ppm@ 3ml/ltr & Flonicamid 50WG@ 1g/3ltr water at 10 days interval |
| 8. | Constraints identified and feedback for research | Unavailability of prescribed pesticides in local market. |
| 9. | Process of farmers participation and their reaction | Farmers are deeply involved in the OFT process |

*Thematic area: IPM*

Problem definition: Integrated Management of YMV in Green Gram

**Technology assessed:**

FP: Spraying of Triazophos 40EC@ 2ml/ltr of water

TO1: Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Need based alternate spraying of Neem oil 1500ppm@ 3ml/ltr & Flonicamid 50WG@ 1g/3ltr water at 10 days interval

TO2: Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Barrier crop Maize(3-row) + Need Based spraying of Neem oil 1500ppm@ 3ml/ltr & Thiamethoxam 25WG@ 5g/15ltr water at 10 days interval

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (q/ha) | Cost of cultivation  (Rs./ha) | Gross return (Rs/ha) | Net return  (Rs./ha) | BC ratio |
| No. of pods/ plant | No. of seeds/pod | Test wt. (100 grain wt.) |
| FP: Spraying of Triazophos 40EC @ 2ml/lit water | 7 | 18.4 | 4.9 | 4.003g | 11.58 | 6.86 | 18750.00 | 29450.00 | 10700.00 | 1.57 |
| TO1: Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Need based alternate spraying of Neem oil 1500ppm@ 3ml/ltr & Flonicamid 50WG@ 1g/3ltr water at 10 days interval | 7 | 23.5 | 5.7 | 4.532g | 7.89 | 8.56 | 19700.00 | 36050.00 | 16350.00 | 1.83 |
| TO2: Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Barrier crop Maize(3-row) + Need Based spraying of Neem oil 1500ppm@ 3ml/ltr & Thiamethoxam 25WG@ 5g/15ltr water at 10 days interval | 7 | 21.7 | 5.1 | 3.895g | 9.52 | 8.01 | 20.320.00 | 34750.00 | 14430.00 | 1.71 |

**Results:**

Seed treatment with Imidacloprid 600 FS (Gaucho)@ 7g/kg of seed + Installation of yellow sticky traps@ 100nos./ha + Need based alternate spraying of Neem oil 1500ppm@ 3ml/ltr & Flonicamid 50WG@ 1g/3ltr water at 10 days interval was best with B:C of 1.80

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Thematic area | Technology Demonstrated with detailed treatments | Area (ha) | | No. of farmers/  demonstration | | | Reasons for shortfall in achievement |
| Proposed | Actual | SC/ST | Others | Total |  |
| 1. | Rice | Problematic soil management | Soil application of 25kg ZnSO4/ha along with 30kg K2O/ha after drainage of excess water | 2.0 | 2.0 | 4 | 6 | 10 |  |
| 2. | Jute | Post harvest management | Use of CRIJF SONA microbial culture@25kg/ha. for retting of jute | 1.0 | 1.0 | 2 | 8 | 10 |
| 3. | Betel vine | Integrated nutrient management | Foliar spraying of Triacontanol@500ppm at 30 days interval from 5th to7th month and zinc [sulphate @ 0.05%](mailto:sulphate@0.05%25) at 7th month | 1.0 | 1.0 | 1 | 9 | 10 |  |
| 4. | Cucumber | Integrated nutrient management | Foliar application of 25ppm boric acid + 1% urea as adjuvant thrice at 25 DAS, 35DAS and 45 DAS | 1.0 | 1.0 | 2 | 8 | 10 |
| 5 | Rice, Toria | Cropping system | Short duration (100 days) paddy var. Mandkini transplanted in the 1st fortnight of July followed by growing of toria var. M-27 (70 days) in the residual moisture | 1 | 1 | 10 | 0 | 10 |  |
| 6 | Rice | Weed management | Early post emergence application of Bispyribac Sodium 10%SC (@ 250ml/ ha at 15 DAT (2-3 leaf stage of weeds) + Hand weeding on 45 DAT | 2 | 2 | 10 | 0 | 10 |  |
| 7 | Groundnut | Weed management | Application of Imazethapyr (10%SL) @ 1ltr/ha at 7-14 days after sowing when the leaves are in 1-2 leaf stage. Selective herbicide, controls annual broad leaf and grassy weeds up to 45 days | 2 | 2 | 2 | 8 | 10 |  |
| 8 | Paddy | IDM | Seed treatment with Thiophanate methyl @1.5g/kg of seed and alternate spraying of Tebuconazole 50%+Trifloxystrobin25% (75 WG)@ 200g/ha and Thifluzamide 24SC @500 ml/ha | 2 | 2 | 3 | 7 | 10 |  |

Details of farming situation

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Season | Farming situation (RF/Irrigated) | Soil type | Status of soil  (Kg/ha) | | | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
| N | P2O5 | K2O |
| Rice | Kharif 2017 | RF | Alluvial Sandy loam | 305 | 11.6 | 136 | Fallow | 01.07.17 | 25.11.17 | 1042 | 37 |
| Jute | Kharif 2017 | Irrigated | Alluvial Sandy loam | 410 | 16.8 | 152 | Greengram | 20.6.17 | 25.10.17 | 1042 | 37 |
| Betel vine | Rabi,2017-18 | Irrigated | Alluvial Sandy | 466 | 17.2 | 134 | Betel vine | 3rd year Baraj | Periodic harvesting | 408 | 14 |
| cucumber | Rabi,2017-18 | Irrigated | Alluvial Sandy loam | 381 | 14.1 | 148 | Rice | 25.1.18 | 5.5.18 | 408 | 14 |
| Rice, toria | Kharif, 2017, Rabi, 2017-18 | Rainfed (Rice fallow) | Red laterite | 237 | 17 | 139 | Rice-fallow | Rice- 08.07.17  Toria- 26.10.17 | Rice- 15.10.17  Toria- 40810.01.18 | 1450 | 49 |
| Rice | Rabi, 2017-18 | Irrigated | Saline soil | 262 | 16 | 153 | Rice | 20.06.17 | 15.11.17 | 408 | 14 |
| Groundnut | Rabi, 2017-18 | low lying flood prone area | Alluvial sandy loam | 286 | 19 | 178 | Rice | 2.01.2018 | 28.04.2018 | 408 | 14 |
| Paddy | Kharif | Rain fed | Alluvial | 260 | 14.5 | 145 | Rice | 21.06.2017 | 14.11.2017 | 1042 | 37 |

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

**Performance of FLD**

Oilseeds:

Frontline demonstrations on oilseed crops

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Thematic Area | Name of the technology demonstrated | No. of Farmers | Area  (ha) | Yield (q/ha) | | % Increase | \*Economics of demonstration (Rs./ha) | | | | \*Economics of check  (Rs./ha) | | | |
| Demo | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Toria | Cropping system | Growing of Toria as paira croppinf in Rice | 10 | 1 | 4.3 | 32.6 | 30.15 | 44500 | 63650 | 19150 | 1.43 | 37500 | 48900 | 11400 | 1.30 |
| Groundnut | Weed management | Use of early post emergent herbicide  herbicide Imazethapyr | 10 | 2 | 21.1 | 18.2 | 15.93 | 41000 | 94950 | 53950 | 2.31 | 44000 | 81900 | 37900 | 1.86 |

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

\*\* BCR= GROSS RETURN/GROSS COST

Pulses   
Frontline demonstration on pulse crops

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

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

\*\* BCR= GROSS RETURN/GROSS COST

Other crops

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Thematic area | Name of the technology demonstrated | No. of Farmer | Area  (ha) | Yield (q/ha) | | % change in yield | Other parameters | | \*Economics of demonstration (Rs./ha) | | | | | \*Economics of check  (Rs./ha) | | | |
| Demons  ration | Check | Demo | Check | Gross  Cost | Gross  Return | Net Return | | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Rice | Problematic soil management | Management of iron toxicity in rice | 10 | 2.0 | 49.2 | 41.8 | 17.70 | EBT/Hill-12.3 | 9.1 | 41650 | 73800 | 32150 | | 1.77 | 39000 | 62700 | 23700 | 1.61 |
| Jute | Post harvest management | Retting of jute through use of CRIJAF SONA microbial culture | 10 | 1.0 | 20.0 | 19.2 | 4.17 | Retting period-14days | 21days | 38250 | 58000 | 19750 | | 1.52 | 37000 | 51000 | 14000 | 1.38 |
| Betel vine | INM | Application of zinc and Triacontanol in betel vine | 10 | 1.0 | 53.4\* | 48.3 | 10.56 | Number of leaves / vine-54.6 | 45.8 | 1760000 | 2670000 | 910000 | 1.52 | | 1756000 | 2415000 | 659000 | 1.38 |
| Cucumber | INM | Foliar application o f boron mixed with urea in cucumber | 10 | 1.0 | 248.6 | 215.2 | 15.52 | No. of fruits/ plant-10.9 | 8.6 | 63000 | 2,48600 | 1,85,600 | | 3.95 | 61,500 | 2,15,200 | 1,53,700 | 3.50 |
| Rice | Weed management | Early post emergence application of Bispyribac Sodium herbicide | 10 | 2 | 48.2 | 43.6 | 10.55 |  |  | 37500 | 72300 | 34800 | | 1.94 | 40400 | 6500 | 25000 | 1.63 |
| Betelvine | Integrated Pest Management | Planting of Marigold (Bengal yellow) as trap crop, Soil application of VAM @ 15g/plant and Neem cake @ 100g/sq.mt. area at 6” deep trench around the root zone | 10 | 0.8 | 10.81 lakh/ha | 8.82 lakh/ha | 22.56 | 4.89 galls/ plant | 12.74 galls/ plant | 699404.00 | 1874404.00 | 1175000.00 | | 1.68 | 761267 | 1081000 | 319733 | 1.42 |
| Okra | Integrated Pest Management | Soil application of cartap hydrochloride 4G @ 1 kg a.i/ha at 20DAS + Release of *Trichogramma chillonis* @ 50000/ha,5 times from 50 DAS at 10 days interval + Need based alternate spraying of Neem oil 1500ppm@ 3ml/ltr water and Emamectin benzoate 5% SG @ 0.4 g/ liter of water at 50 DAS | 10 | 2 | 183.7 | 145.5 | 26.3 | 3.25% fruit infestation | 9.40% fruit infestation | 42613 | 155113 | 112500 | | 2.64 | 87476 | 183700 | 96224 | 2.10 |
| Paddy | Integrated disease Management | Seed treatment with Thiophanate methyl @1.5g/kg of seed and alternate spraying of Tebuconazole 50% + Trifloxystrobin 25% (75 WG) @ 200g/ha and Thifluzamide 24SC @ 500 ml/ha | 10 | 2 | 49.8 | 44.7 | 11.40 | 5.89 % infected tillers / hill | 14.75% infected tillers / hill | 40400 | 74700 | 34300 | | 1.85 | 39500 | 67050 | 27550 | `1.69 |
|  | Total | |  |  |  | | | | | | | | | | | | | |

\*Leaf yield-lakhs/ha.

Livestock

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Thematic  area | Name of the technology demonstrated | No. of Farmer | No. of units | Major parameters (ABW in KG) | | % change in major parameter | Other parameter | | \*Economics of demonstration (Rs.) | | | | \*Economics of check  (Rs.) | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cow |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Buffalo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry | Income generation activities for empowerment of rural Women | Backyard rearing of poultry breed Rainbow roaster | 15 | 150 | 1.9 | 0.58 | 227.5 |  |  | 145 | 285 | 140 | 1.9 | 115 | 132 | 27 | 1.14 |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

\*\* BCR= GROSS RETURN/GROSS COST

Other enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Name of the technology demonstrated | No. of Farmer | No. of units | Major parameters | | % change in major parameter | Other parameter | | \*Economics of demonstration (Rs.) or Rs./unit | | | | \*Economics of check  (Rs.) or Rs./unit | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Oyster mushroom | Cultivation of oyster mushroom *p .pulmonarious* | 10 | 100 | Yield per bed 2.5 kg | Yield per 2kg |  |  |  | 35/- | 125/- | 90/- | 3.5 | 35/- | 100/- | 65/- | 2.8 |
| Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apiculture | Scientific bee keeping | 5 |  | Bee colonies per box |  |  |  |  |  |  |  |  |  |  |  |  |
| Lac | Demonstration of Kumarsumi lac in ber trees | 10 | 15 | Lac yield | B:C ratio | 0 | - | - | 150/plant | continuing |  |  | 0 | 0 | 0 | 0 |
| Total | |  |  |  | | | | | | | | | | | | |

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

\*\* BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

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

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

**\*\* BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Name of Hybrid | No. of  farmers | Area  (ha) | Yield (kg/ha) / major parameter | | | Economics (Rs./ha) | | | |
| Cereals |  |  |  | Demo | Local check | % change | Gross Cost | Gross Return | Net Return | BCR |
| Bajra |  |  |  |  |  |  |  |  |  |  |
| Maize |  |  |  |  |  |  |  |  |  |  |
| Paddy |  |  |  |  |  |  |  |  |  |  |
| Sorghum |  |  |  |  |  |  |  |  |  |  |
| Wheat |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |
| Castor |  |  |  |  |  |  |  |  |  |  |
| Mustard |  |  |  |  |  |  |  |  |  |  |
| Safflower |  |  |  |  |  |  |  |  |  |  |
| Sesame |  |  |  |  |  |  |  |  |  |  |
| Sunflower |  |  |  |  |  |  |  |  |  |  |
| Groundnut |  |  |  |  |  |  |  |  |  |  |
| Soybean |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |
| Greengram |  |  |  |  |  |  |  |  |  |  |
| Blackgram |  |  |  |  |  |  |  |  |  |  |
| Bengalgram |  |  |  |  |  |  |  |  |  |  |
| Redgram |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Vegetable crops |  |  |  |  |  |  |  |  |  |  |
| Bottle gourd |  |  |  |  |  |  |  |  |  |  |
| Capsicum |  |  |  |  |  |  |  |  |  |  |
| Cucumber |  |  |  |  |  |  |  |  |  |  |
| Tomato |  |  |  |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |  |  |  |
| Okra |  |  |  |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |  |  |  |
| Potato |  |  |  |  |  |  |  |  |  |  |
| Field bean |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |  |  |  |  |
| Cotton |  |  |  |  |  |  |  |  |  |  |
| Coconut |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Fodder crops |  |  |  |  |  |  |  |  |  |  |
| Napier (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Others (pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |

Technical Feedback on the demonstrated technologies

|  |  |  |
| --- | --- | --- |
| **Sl. No** | **Crop** | **Feed Back** |
| 01 | Rice | As there is wide spread problem of iron toxicity in Kharif rice massive awareness campaign is required |
| 02 | Jute | Use of CRIJAF SONA culture reduced retting period and improves quality of jute fibre |
| 03 | Betel vine | Due to application of Triacontanol and zinc , the betel vine plant withstand cold temperature in addition to better growth of plants |
| 04 | Cucumber | Foliar spray of boron and urea helps in better fruits setting in cucumber and should also be tested in other cucurbitaceous crops |
| 05 | Rice, Toria | It reduces the cost of cultivation drastically by omitting the primary land preparation with optimum utilization of the residual soil moisture and avoid terminal drought stress |
| 06 | Rice | This post emergence herbicide effectively control a wide range of weeds in rice crop including sedges and broad leaf weeds |
| 07 | Groundnut | This early post emergence herbicide control BLWs and grasses including cyperus |
| 08 | Betel vine | Application of VAM and Neem cake for the management of nematode in betelvine could not only reduced nematode infestation, but also increased leaf yield up to 22.56%. |
| 09 | Okra | Application of the IPM module could reduce the fruit damage per cent from 9.40% to 3.25% |
| 10 | Paddy | The prescribed fungicides used for seed treatment and foliar spray were highly effective in controlling the disease incidence. |

**Extension and Training activities under FLD**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Activity | Date | No. of activities organized | Number of participants | Remarks |
| 1. | Field days | 24.02.2018 | 01 | 60 |  |
| 2. | Farmers Training | 28.12.2017 | 01 | 30 | Attended by beneficiary as well as non beneficiary betel vine farmers |
| 23.10.2017 | 01 | 30 |  |
| 3. | Media coverage |  |  |  |  |
| 4. | Training for extension functionaries |  |  |  |  |

**Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2017 and Rabi 2017-18:**

1. **Technical Parameters:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop demonstrated | Existing (Farmer's) variety name | Existing yield  (q/ha) | Yield gap (kg/ha)  w.r.to | | | Name of Variety + Technology  demonstrated | Number of farmers | Area in ha | Yield obtained (q/ha) | | | Yield gap minimized (%) | | |
| District  yield (D) | State  yield (S) | Potential  yield (P) |
| Max. | Min. | Av. | D | S | P |
|  | Green gram | Kali muga | 5.5 | 454 | 476 | 737 | IPM-02-14 | 196 | 50 | 7.20 | 5.69 | 6.85 | +50.88 | +43.90 | -7.59 |
|  | Black Gram | Lahabiri | 5.51 | 448 | 455 | 724 | PU-31 | 144 | 30 | 7.24 | 6.01 | 6.79 | +51.56 | 49.23 | -6.62 |
|  | Groundnut | AK-12-24 | 19.8 | 1944 | 1787 | 3000 | Kadiri-6 | 75 | 30 | 30.11 | 22.11 | 23.6 | +21.39 | +32.06 | -27.11 |
|  | Toria | M-27 | 6.6 | 495 | 424 | 1200 | Anuradha | 60 | 20 | 9.8 | 6.6 | 8.2 | +65.65 | +93.39 | -46.34 |

1. **Economic parameters**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Variety demonstrated & Technology demonstrated | Farmer’s Existing plot | | | | Demonstration plot | | | |
| Gross Cost  (Rs/ha) | Gross return  (Rs/ha) | Net Return  (Rs/ha) | B:C  ratio | Gross Cost  (Rs/ha) | Gross return  (Rs/ha) | Net Return  (Rs/ha) | B:C  ratio |
| 1 | Green gram (IPM-02-14) | 15850 | 26208 | 10358 | 1.65 | 19120 | 35620 | 1650 | 1.86 |
| 2 | Black gram (PU-31) | 16300 | 27550 | 11250 | 1.69 | 17410 | 33950 | 16540 | 1.95 |
| 3 | Groundnut (Kadiri-6) | 45510 | 88110 | 42600 | 1.93 | 47520 | 105020 | 57500 | 2.21 |
| 4 | Toria (Anuradha) | 15800 | 23100 | 7300 | 1.46 | 16800 | 28700 | 11900 | 1.7 |

1. **Socio-economic impact parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop and variety  Demonstrated | Total Produce  Obtained (kg) | Produce sold  (Kg/household) | Selling  Rate  (Rs/Kg) | Produce used for own sowing (Kg) | Produce distributed to other farmers (Kg) | Purpose for which income gained was utilized | Employment Generated (Man days/house hold) |
| 1 | Green Gram  (IPM-02-14) | 34250 | 545 | 52 | 30 | 65 | Investment towards next crop | 27 |
| 2 | Black gram  (PU-31) | 20370 | 455 | 50 | 25 | 75 | Education of their children and health | 25 |
| 3 | Groundnut (Kadiri-6) | 70800 | 700 | 44.5 | 0 | 0 | Day to day expenditure | 70 |
| 4 | Toria  (Anuradha) | 16400 | 300 | 35 | 10 | 18 | Repayment of bank loan, House hold Expenses | 46 |

1. **Oilseed Farmers’ perception of the intervention demonstrated**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Technologies demonstrated**  **(with name)** | **Farmers' Perception parameters** | | | | | |
| **Suitability to their farming system** | **Likings**  **(Preference)** | **Affordability** | **Any negative effect** | **Is Technology acceptable to all in the group/village** | **Suggestions, for change/improvement, if any** |
| 1 | Package demonstration | Best suited after Kharif Paddy | Application of sulphur & Boron | Yes | No | Yes | Critical input should be available in local market |
| 2 | Package demonstration | Best suited after Kharif Paddy | Application of sulphur & Boron | Yes | No | Yes | Critical input should be available in local market |

1. **Specific Characteristics of Technology and Performance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Specific Characteristic** | **Performance** | **Performance of Technology vis-a vis Local Check** | **Farmers Feedback** |
| Green Gram   * IPM-02-14, the demonstrated variety is resistant to YVMV * Line sowing * Seed inoculation with Rhizobium culture | * YVMV infestation is vey less * Better plant growth, weed control and pod picking is easier * The size as well as the number of nodules are increased | * The local check is very susceptible to YVMV * Difficulty in weeding and picking of pods * Nodule number and size was less in the plant, where seed was not treated with rhizobium culture | * The variety perform better yield due to less infestation of YVMV * The cost of cultivation increases * Bio-fertilizers are not locally available in the market |
| Black gram Var. PU-31 is moderately tolerant to YMV. | * Use of Rhizobium culture for seed treatment enhanced nodulation which helps in nitrogen fixation and increased yield. * Application of micronutrients Borax (10.5%) and Zinc sulphate (21%) enhanced flowering and pod setting * Application of neem oil (1500ppm) and sticky trap successfully reduced the menance of whitefly incidence * Spraying of newer insecticide molecule Fipronil 5%SC (GABA gated chloride channel inhibitor) @ 2mli/lit suppressed pod borer complex and leaf eating caterpillars. | * With the application of this said technology incidence of whitefly (YMV vector), pod borer complex were reduced as compared to the incidence in local variety. * Yield of the demonstrated variety increased upto an average of 6.79q/ha as compared to the local variety of 5.51 q/ha | * Farmers are satisfied with the technology stating it to be simple, effective and highly impressive. * The given pest management practices are quite effective in controlling the pod borer complex and YMV. * Non availability of bio fertilizers in the local market |
| Groundnut   * Seed treatment with vitavax power@ 2g/kg seed * Seed inoculation with rhizobium culture@ 50g/kg seed * Soil test based balanced nutrient application * Basal application of sulfomax@ 25kg/ha * Combined nutrient spray * Collar rot Managemnt | * Seed treatment with vitavax power prevents early seedling rot * Seed inoculation with rhizobium culture helps In better nodulation & nitrogen fixation * Micronutrient deficiency can be alleviated by soil test based balanced nutrient application * Increase in yield & oil content due to sulphur application * Combined nutrient increases yield by better pod filling * Collar rot Managemnt helps to maintain plant population | Due to combined application of INM & IPM practices, there is an yield increase of 19.2% over local check | * Emphasis should be given for market linkage in addition to technology demonstration * New HYV with dormancy to avoid viviparous germination due to untimely rain during harvesting * Water soluble fertilizers & micronutrients (Zinc, Boron, Sulphur) should be made available through licensed input dealer |
| Toria   * Seed treatment with vitavax power@ 2g/kg seed * Line sowing * Application of Boron * Aphid Management | * Seed treatment with vitavax power prevents early seedling rot * Plant population maintained & easier intercultural operation due to line sowing * Micronutrient deficiency can be alleviated by soil test based balanced nutrient application * Better seed setting & more no. of siliqua per plant due to Boron application * Aphid Managemnt helps in minimizing the yield loss | Due to combined application of INM & IPM practices, there is an yield increase of 24.2% over local check | * New HYV with improved seed yield & aphid resistance is required * Water soluble fertilizers & micronutrients (Zinc, Boron, Sulphur) should be made available through licensed input dealers * Setting up mini oil processing unit in toria growing areas * Govt. Should procure the produce at MSP for better pricing & elimination of middle man |

1. **Extension activities under FLD conducted:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Extension Activities organized** | **Date and place of activity** | **Number of farmer attended** |
| 01 | Training (3 nos.) | Black gram - 24.03.18 (Gud, Soro) | 50 |
| Green gram – 08.03.18 (Kulhachada, Baliapal) | 50 |
| Toria – 09.02.18 (Kulhachada, Baliapal) | 60 |
| 02 | Field day (3nos.) | Black gram - 29.03.18 (Gud, Soro) | 50 |
| Green gram – 24.03.18 (Kulhachada, Baliapal) | 50 |
| Toria – 08.03.18 (Kulhachada, Baliapal) | 60 |

1. **Sequential good quality photographs (as per crop stages i.e. growth & development)**
2. **Farmers' training photographs**
3. **Quality Action Photographs of field visits/field days and technology demonstrated.**

**J. Details of budget utilization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop  (provide crop wise information ) | Items | Budget  Received  (Rs.) | Budget  Utilization  (Rs.) | Balance  (Rs.) |
| Green Gram | i) Critical input |  | 192800 |  |
| ii) TA/DA/POL etc. for monitoring | 1500 |
| iii) Extension Activities (Field day) | 7150 |
| iv)Publication of literature |  |
|  | Total | 201450 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop  (provide crop wise information ) | Items | Budget  Received  (Rs.) | Budget  Utilization  (Rs.) | Balance  (Rs.) |
| Black Gram | i) Critical input |  | 134490 |  |
| ii) TA/DA/POL etc. for monitoring | 1950 |
| iii) Extension Activities (Field day) | 9550 |
| iv)Publication of literature |  |
|  | Total | 145990 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop  (provide crop wise information ) | Items | Budget  Received  (Rs.) | Budget  Utilization  (Rs.) | Balance  (Rs.) |
| Pulses (Green Gram & Black Gram) | i) Critical input | 35,000/- | 3,97,590/- | 2,46,895/- |
| ii) TA/DA/POL etc. for monitoring |
| iii) Extension Activities (Field day) |
| iv)Publication of literature |
|  | Total | 35,000/- | 3,97,590/- (Adjusted from CFLD-Oilseed, | 2,46,895/- |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop  (provide crop wise information ) | Items | Budget  Received  (Rs.) | Budget  Utilization  (Rs.) | Balance  (Rs.) |
| Groundnut | i) Critical input | 2,55,000 | 226793 | 28207 (Adjusted in CFLD-Pulse Programme) |
| ii) TA/DA/POL etc. for monitoring |  |  |
| iii) Extension Activities (Field day) |  |  |
| iv)Publication of literature |  |  |
|  | Total |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop  (provide crop wise information ) | Items | Budget  Received  (Rs.) | Budget  Utilization(Rs.) | Balance  (Rs.) |
| Toria | i) Critical input | 1,20,000 | 31092 |  |
| ii) TA/DA/POL etc. for monitoring |  |  |
| iii) Extension Activities (Field day) | 8630 |  |
| iv)Publication of literature |  |  |
|  | Total | 31092 | 88908(Adjusted in CFLD-Pulse Programme) |

1. **List of Farmer under FLD (Crop wise)**

**Crop1: Green gram**

**Details of technology:**

* + 1. Line sowing
    2. Certified Seed of Green gram Var. IPM-02-14@ 20kg/ha
    3. Seed Treatment with Vitavax Power@ 2g/kg of seed before one week of sowing followed by treatment with Rhizobium@20g per Kg seed before 3-4 hours of sowing
    4. Foliar spray of Boron (20% Boron) @ 1.5g per water at flowering stage
    5. Protective Foliar spraying of neem oil (3000ppm)@ 2ml per liter water at vegetative stage
    6. Foliar spraying of Thiamethoxam 25%WG@ 1g per 3liter water at pod formation stage for white fly vector control of YVMV in Green gram
    7. Foliar spraying of Triazophos 40%EC @ 2ml per litre water at pod formation stage for pod borer Management
    8. Foliar spraying of Fipronil 5%SC@ 2ml per litre water at pod formation stage for pod borer Management
    9. Use of yellow Sticky Trap@ 20 nos. per hectare for white fly management
    10. Foliar spraying of DAP@ 2% at 30 DAS for better vegetative growth and root development
    11. Foliar spray of wettable Sulphur @3g per litre for powdery mildew management

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of farmer | Father’s name | Village | Block | Mobile No. | Email ID | GPS Coordinates (DDMMSS format) | | Soil testing done (Yes/No) | Recommendations based on soil test value | Brief technology intervention | Variety | Seed quantity used | Demo. Yield (q/ha) | | | Yield of local check q/ha | % increase |
|  |  |  |  |  |  | Latitude | Longitude |  | N-P2O5-K2O-B |  |  |  | H | L | A |  |  |
| Padmalochan Sethi | Radhasyam Sethi | Kulhachad | Baliapal | 7873334905 |  | N21037'30.92'' | E0870 20'05.58'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.96 | 5.14 | 35 |
| Sushil Jena | Khagendra | Kulhachad | Baliapal |  |  | N21037'30.48'' | E0870 20'05.43'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.13 | 4.98 | 43 |
| Arun Ku Sahoo | Paramananda | Kulhachad | Baliapal | 7894457803 |  | N21037'30.19'' | E0870 20'05.34'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.81 | 5.21 | 31 |
| Sanjay Sahoo | Rajani | Kulhachad | Baliapal |  |  | N21037'30.02'' | E0870 20'05.12'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.20 | 5.35 | 35 |
| Abinash Ch. Giri | Padmalochan | Kulhachad | Baliapal |  |  | N21037'29.87'' | E0870 20'05.21'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.13 | 5.22 | 37 |
| Sanjay Sahoo | Gadadhar | Kulhachad | Baliapal | 9937313517 |  | N21037'29.82'' | E0870 20'05.03'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.91 | 5.04 | 37 |
| Paresh Ch. Giri | Sibaranjan | Kulhachad | Baliapal |  |  | N21037'29.70'' | E0870 20'04.21'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.57 | 4.66 | 41 |
| Chittaranjan Patra | Narendra | Kulhachad | Baliapal | 7873394568 |  | N21037'29.58'' | E0870 20'04.62'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.86 | 4.93 | 39 |
| Suresh Ch. Giri | Sibanarayan | Kulhachad | Baliapal |  |  | N21037'29.54'' | E0870 20'04.68'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 5.23 | 33 |
| Sanatan Behera | Lalomohan | Kulhachad | Baliapal | 7894168910 |  | N21037'29.49'' | E0870 20'04.49'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.56 | 5.12 | 28 |
| Ajay Senapati | Bhanu | Kulhachad | Baliapal |  |  | N21037'29.41'' | E0870 20'04.82'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.71 | 4.86 | 38 |
| Narayan Giri | Pravakar | Kulhachad | Baliapal |  |  | N21037'29.34'' | E0870 20'04.86'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.18 | 5.62 | 28 |
| Nirmalaya Jena | Khagendra | Kulhachad | Baliapal | 7381552632 |  | N21037'29.48'' | E0870 20'04.74'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.89 | 5.19 | 33 |
| Surendra Khatua | Srikanta | Kulhachad | Baliapal |  |  | N21037'29.16'' | E0870 20'04.89'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.64 | 5.24 | 27 |
| Atur Behera | Banamali Behera | Kulhachad | Baliapal | 9776378347 |  | N21037'29.08'' | E0870 20'04.92'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.20 | 5.36 | 34 |
| Gokula Sahoo | Banamali Sahoo | Kulhachad | Baliapal | 8338841944 |  | N21037'33.36'' | E0870 20'05.03'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.95 | 5.20 | 34 |
| Bhagaban Sahoo | Kartik | Kulhachad | Baliapal |  |  | N21037'33.42'' | E0870 20'05.11'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.16 | 5.46 | 31 |
| Haripada Khatua | Gouranga Khatua | Kulhachad | Baliapal | 7064875101 |  | N21037'33.44'' | E0870 20'05.18'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 5.07 | 37 |
| Bishnu pada Khatua | Gourganga Khatua | Kulhachad | Baliapal |  |  | N21037'33.48'' | E0870 20'05.21'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.79 | 4.88 | 39 |
| Kalicharan Sahoo | Narendra | Kulhachad | Baliapal |  |  | N21037'33.52'' | E0870 20'05.24'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.16 | 5.23 | 37 |
| Sanyasi Sahoo | Naremdra | Kulhachad | Baliapal |  |  | N21037'33.58'' | E0870 20'05.28'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.09 | 5.36 | 32 |
| Paramananda Barik | Jagabandhu Barik | Kulhachad | Baliapal | 9583677290 |  | N21037'33.64'' | E0870 20'05.30'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 5.31 | 31 |
| Ghanasyam Sahoo | Upendra | Kulhachad | Baliapal | 7381672588 |  | N21037'33.65'' | E0870 20'05.33'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.11 | 5.21 | 36 |
| Ananda Sahoo | Mahendra | Kulhachad | Baliapal |  |  | N21037'33.74'' | E0870 20'05.37'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.38 | 5.03 | 27 |
| Mrutyunjaya Sahoo | Siba Sahoo | Kulhachad | Baliapal |  |  | N21037'32.77'' | E0870 20'04.82'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.80 | 5.27 | 29 |
| Janmejaya Sahoo | Siba Sahoo | Kulhachad | Baliapal |  |  | N21037'32.80'' | E0870 20'04.81'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.65 | 5.12 | 30 |
| Prafulla Jena | Khagendra | Kulhachad | Baliapal |  |  | N21037'32.84'' | E0870 20'04.73'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.79 | 4.72 | 44 |
| Susanta Sahoo | Baidhar Sahoo | Kulhachad | Baliapal | 9583448478 |  | N21037'32.87'' | E0870 20'04.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.62 | 4.85 | 36 |
| Srinibash Dalai | Khetra Dalai | Kulhachad | Baliapal |  |  | N21037'32.85'' | E0870 20'04.94'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.15 | 5.26 | 36 |
| Barendra Sahoo | Madhu Sahoo | Kulhachad | Baliapal |  |  | N21037'32.91'' | E0870 20'04.34'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.02 | 5.35 | 31 |
| Pravakar Giri | Dharani Giri | Kulhachad | Baliapal | 9556780825 |  | N21037'32.93'' | E0870 20'05.38'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.69 | 4.96 | 35 |
| Dayanidhi Patra | Kartik Patra | Kulhachad | Baliapal |  |  | N21037'32.97'' | E0870 20'05.42'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.98 | 5.21 | 34 |
| Rajendra Barik | Gayaram Barik | Kulhachad | Baliapal |  |  | N21037'32.99'' | E0870 20'05.48'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.73 | 4.93 | 37 |
| Markanda Sahoo | Chudamani Sahoo | Kulhachad | Baliapal |  |  | N21037'33.02'' | E0870 20'05.53'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.82 | 5.07 | 35 |
| Premnath Jena | Chaitan Jena | Kulhachad | Baliapal |  |  | N21037'33.08'' | E0870 20'05.48'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.18 | 5.41 | 33 |
| Gobinda Sahoo | Mahendra Sahoo | Kulhachad | Baliapal | 8338833540 |  | N21037'33.11'' | E0870 20'05.36'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.94 | 4.86 | 43 |
| Ananta Sahoo | Lalomohan Sahoo | Kulhachad | Baliapal | 7381532855 |  | N21037'33.17'' | E0870 20'05.56'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.72 | 5.01 | 34 |
| Chittaranjan Sahoo | Baidhar Sahoo | Kulhachad | Baliapal | 8280042007 |  | N21037'34.28'' | E0870 20'05.48'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.12 | 4.82 | 48 |
| Kangali Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal | 8018088631 |  | N21037'34.31'' | E0870 20'05.53'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.95 | 5.32 | 31 |
| Banamali Sahoo | Upendra Sahoo | Kulhachad | Baliapal |  |  | N21037'34.36'' | E0870 20'05.61'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.75 | 5.25 | 29 |
| Ganesh Ch. Sahoo | Lalmohan | Kulhachad | Baliapal | 9776329820 |  | N21037'34.43'' | E0870 20'05.65'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.85 | 5.15 | 33 |
| Sankarsan Pradhan | Krutibash | Kulhachad | Baliapal |  |  | N21037'34.47'' | E0870 20'05.71'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.99 | 5.26 | 33 |
| Jayanta Sahoo | Ghanasyam Sahoo | Kulhachad | Baliapal | 7873428973 |  | N21037'34.53'' | E0870 20'05.74'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.86 | 4.92 | 39 |
| Ajay Khatua | Ananta Khatua | Kulhachad | Baliapal |  |  | N21037'34.58'' | E0870 20'05.78'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.55 | 5.02 | 30 |
| Niranjan Khatua | Ananta Khatua | Kulhachad | Baliapal |  |  | N21037'34.68'' | E0870 20'05.83'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.19 | 5.12 | 40 |
| Sujet Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal |  |  | N21037'34.72'' | E0870 20'05.87'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.16 | 5.38 | 33 |
| Sebati Sahoo | Judhistir Sahoo | Kulhachad | Baliapal |  |  | N21037'34.77'' | E0870 20'05.89'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.46 | 4.67 | 38 |
| Sudhir Ku. Jena | Panchanan Jena | Kulhachad | Baliapal |  |  | N21037'34.86'' | E0870 20'04.22'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.68 | 5.04 | 33 |
| Sudarsan Sahoo | Rajani Sahoo | Kulhachad | Baliapal |  |  | N21037'34.92'' | E0870 20'04.37'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.53 | 4.51 | 45 |
| Karesh Khan | Inat Khan | Kulhachad | Baliapal | 7377418470 |  | N21037'34.96'' | E0870 20'04.48'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.77 | 4.82 | 40 |
| Mahiraj Khan | Koresh | Kulhachad | Baliapal | 7873865632 |  | N21037'35.01'' | E0870 20'04.56'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.83 | 4.93 | 39 |
| Amar Behera | Mohani Behera | Kulhachad | Baliapal |  |  | N21037'35.21'' | E0870 20'04.68'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.12 | 5.14 | 39 |
| Basanta Magaraj | Thakari Magaraj | Kulhachad | Baliapal |  |  | N21037'35.33'' | E0870 20'04.73'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.94 | 4.78 | 45 |
| Amulya Behera | Bhagan | Kulhachad | Baliapal | 7381387497 |  | N21037'30.32'' | E0870 20'05.53'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.96 | 5.24 | 33 |
| Gouramohan Behera | Prasanna | Kulhachad | Baliapal | 9776044724 |  | N21037'30.37'' | E0870 20'05.42'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.68 | 4.75 | 41 |
| Minachi Behera | Ananta Behera | Kulhachad | Baliapal | 7064007789 |  | N21037'30.40'' | E0870 20'05.29'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.57 | 4.91 | 34 |
| Gokul Behera | Prasanna | Kulhachad | Baliapal | 7873423932 |  | N2103730.43'' | E0870 20'05.16'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.16 | 5.23 | 37 |
| Kalicharan Behera | Kati | Kulhachad | Baliapal | 8895859245 |  | N21037'30.47'' | E0870 20'05.33'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.01 | 5.19 | 35 |
| Bhima charan Behera | Daitari | Kulhachad | Baliapal | 9938637651 |  | N21037'30.52'' | E0870 20'05.68'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.99 | 4.96 | 41 |
| Indumati Behera | Arun | Kulhachad | Baliapal | 9439144995 |  | N21037'30.58'' | E0870 20'05.70'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.90 | 5.12 | 35 |
| Rajesh Behera | Shyma | Kulhachad | Baliapal | 9938534181 |  | N21037'30.62'' | E0870 20'05.78'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.14 | 5.34 | 34 |
| Prasanta Behera | Nityananda | Kulhachad | Baliapal | 8598878544 |  | N21037'30.474'' | E0870 20'05.82'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 5.97 | 4.24 | 41 |
| Kanchanbala Pradhan | Dillip | Kulhachad | Baliapal | 9238892383 |  | N21037'30.75'' | E0870 20'05.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 5.42 | 28 |
| Sek Anwar | Jabar | Kulhachad | Baliapal | 8018094847 |  | N21037'30.79'' | E0870 20'05.89'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.87 | 5.13 | 34 |
| Himanshu Ranjit | Ananta | Kulhachad | Baliapal | 9583131924 |  | N21037'30.83'' | E0870 20'05.93'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.96 | 5.21 | 34 |
| Padmalochan Mohanty | Naidharam | Kulhachad | Baliapal | 7064775893 |  | N21037'30.86'' | E0870 20'05.96'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.80 | 5.18 | 31 |
| Bijay Patra | Barendra | Kulhachad | Baliapal | 8339066620 |  | N21037'30.91'' | E0870 20'05.98'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.63 | 4.78 | 39 |
| Srikumar Sahoo | Bhuban | Kulhachad | Baliapal | 7327846148 |  | N21037'35.37'' | E0870 20'04.93'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.53 | 4.66 | 40 |
| Rabindra Dalai | Mahini | Kulhachad | Baliapal | 7064775849 |  | N21037'35.38'' | E0870 20'04.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.97 | 4.93 | 41 |
| Susanta Behera | Gunadhar | Kulhachad | Baliapal | 7684988965 |  | N21037'35.35'' | E0870 20'04.82'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.49 | 4.72 | 38 |
| Bijay Pradhan | Mrutunjaya | Kulhachad | Baliapal | 9776986129 |  | N21037'35.39'' | E0870 20'04.72'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.40 | 4.72 | 36 |
| Basanti Behera | Haripada | Kulhachad | Baliapal | 9937920471 |  | N21037'35.43'' | E0870 20'04.82'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.18 | 5.28 | 36 |
| Sumanta Behera | Nityananda | Kulhachad | Baliapal | 8598878544 |  | N21037'35.46'' | E0870 20'04.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.84 | 5.26 | 30 |
| Kanuja Patra | Benudhar | Kulhachad | Baliapal | 8342847599 |  | N21037'35.49'' | E0870 20'05.12'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.86 | 4.87 | 41 |
| Jyotreemayee Behera | Chakradhan | Kulhachad | Baliapal | 9439845042 |  | N21037'35.52'' | E0870 20'05.18'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.88 | 4.80 | 43 |
| Anuj Patra | Benudhar | Kulhachad | Baliapal | 7381219110 |  | N21037'35.63'' | E0870 20'05.23'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.16 | 5.25 | 36 |
| Manogobinda Behera | Ramanath | Kulhachad | Baliapal | 7873326557 |  | N21037'35.58'' | E0870 20'05.31'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.87 | 4.84 | 42 |
| Sachindra Pradhan | Mrutunjaya | Kulhachad | Baliapal | 7873218620 |  | N21037'35.62'' | E0870 20'05.36'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.19 | 5.31 | 35 |
| Pasupati Pilla | Purnachandra | Kulhachad | Baliapal | 9583182215 |  | N21037'35.53'' | E0870 20'05.43'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.70 | 4.92 | 36 |
| Sasmita Pradhan | Prabir | Kulhachad | Baliapal | 9178156172 |  | N21037'35.67'' | E0870 20'05.51'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.78 | 5.02 | 35 |
| Chatrubhuja Barik | Jagabandhu Barik | Kulhachad | Baliapal | 7788825089 |  | N21037'35.71'' | E0870 20'05.57'' | Yes | 20-40-40-1 |  | IPM-02-14 | 12.00 |  |  | 6.88 | 4.96 | 39 |
| Rajkishore Mohanty | Madhu | Kulhachad | Baliapal | 7381528440 |  | N21037'35.74'' | E0870 20'05.81'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.36 | 4.81 | 32 |
| Anil Patra | Murali | Kulhachad | Baliapal | 9937614135 |  | N21037'35.69'' | E0870 20'05.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.14 | 5.32 | 34 |
| Pravakar Ranjit | Srimanta | Kulhachad | Baliapal | 9583865421 |  | N21037'35.61'' | E0870 20'05.88'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.00 | 5.11 | 37 |
| Minati Patra | Gayaram Patra | Kulhachad | Baliapal | 8908801660 |  | N21037'35.61'' | E0870 20'05.92'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.89 | 5.08 | 36 |
| Manoj Patra | Benudhar | Kulhachad | Baliapal | 8598871486 |  | N21037'35.65'' | E0870 20'05.96'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.95 | 5.12 | 36 |
| Gadadhar Patra | Baidhar Patra | Kulhachad | Baliapal | 9937974358 |  | N21037'35.86'' | E0870 20'05.99'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.05 | 4.31 | 40 |
| Biswajit Patra | Hara | Kulhachad | Baliapal | 7381583227 |  | N21037'35.32'' | E0870 20'06.02'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.13 | 5.27 | 35 |
| Ramachandra Giri | Kartika | Kulhachad | Baliapal | 9583735115 |  | N21037'35.27'' | E0870 20'06.05'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 5.78 | 4.23 | 37 |
| Radhagobinda Behera | Ramanath | Kulhachad | Baliapal | 9937765483 |  | N21037'35.22'' | E0870 20'06.08'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.92 | 4.92 | 41 |
| Barina Bibi | Kunu | Kulhachad | Baliapal | 9178153411 |  | N21037'35.17'' | E0870 20'06.11'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.55 | 5.02 | 30 |
| Bijaya Barik | Rajendra | Kulhachad | Baliapal | 9650859453 |  | N21037'35.12'' | E0870 20'06.18'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.65 | 4.86 | 37 |
| Jayarudin Khan | Khalili | Kulhachad | Baliapal | 8984293493 |  | N21037'35.09'' | E0870 20'06.22'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.15 | 5.26 | 36 |
| Barendra Barik | Balaram | Kulhachad | Baliapal | 9776795172 |  | N21037'35.04'' | E0870 20'06.27'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.18 | 5.52 | 30 |
| Bikramananda Behera | Ramanath | Kulhachad | Baliapal | 9583268062 |  | N21037'34.98'' | E0870 20'06.31'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 4.91 | 41 |
| Amulya Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal | 8337913189 |  | N21037'34.93'' | E0870 20'06.37'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.55 | 4.63 | 41 |
| Bhaskar Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal | 78944669974 |  | N21037'34.87'' | E0870 20'06.43'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.64 | 4.66 | 42 |
| Sampati Sahoo | Madhusudan | Kulhachad | Baliapal |  |  | N21037'34.84'' | E0870 20'06.48'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.68 | 4.61 | 45 |
| Kangali Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal | 8018098631 |  | N21037'34.79'' | E0870 20'06.51'' | Yes | 20-30-40-1 |  | IPM-02-14 | 12.00 |  |  | 6.32 | 4.49 | 41 |
| Pravakar Sahoo | Rabindra | Kulhachad | Baliapal |  |  | N21037'34.76'' | E0870 20'06.58'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 5.69 | 4.12 | 38 |
| Dibakar Sahoo | Rabindra | Kulhachad | Baliapal |  |  | N21037'34.72'' | E0870 20'06.63'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 5.78 | 4.26 | 36 |
| Niranjan Dalai | Krutibash | Kulhachad | Baliapal | 7608062257 |  | N21037'34.67'' | E0870 20'06.68'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.60 | 4.98 | 33 |
| Badal Dalai | Khetramohan | Kulhachad | Baliapal |  |  | N21037'34.61'' | E0870 20'06.71'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.16 | 5.13 | 40 |
| Ganesh Dalai | Panchu | Kulhachad | Baliapal |  |  | N21037'34.55'' | E0870 20'06.75'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.92 | 5.12 | 35 |
| Sambhunath Dalai | Khetra Dalai | Kulhachad | Baliapal |  |  | N21037'34.52'' | E0870 20'06.77'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.12 | 5.32 | 34 |
| Srinibash Dalai | Ananta Dalai | Kulhachad | Baliapal | 9556097360 |  | N21037'34.47'' | E0870 20'06.81'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.96 | 4.96 | 40 |
| Banamali Dalai | Ananta | Kulhachad | Baliapal | 9599895390 |  | N21037'34.40'' | E0870 20'06.84'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.74 | 4.67 | 44 |
| Barendra Dalai | Dalaia | Kulhachad | Baliapal |  |  | N21037'34.34'' | E0870 20'06.88'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.70 | 4.62 | 45 |
| Saroj Dalai | Jagannath Dalai | Kulhachad | Baliapal | 9776707133 |  | N21037'34.31'' | E0870 20'06.92'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.92 | 4.85 | 43 |
| Mantu Dalai | Ajaya | Kulhachad | Baliapal |  |  | N21037'35.32'' | E0870 20'04.58'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.78 | 4.83 | 40 |
| Manmath Dalai | Raghu | Kulhachad | Baliapal | 8557942917 |  | N21037'35.42'' | E0870 20'04.62'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.39 | 4.88 | 31 |
| Laxman Dalai | Srikanta | Kulhachad | Baliapal | 658949658 |  | N21037'35.36'' | E0870 20'04.78'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.14 | 5.34 | 34 |
| Chitta Jena | Gouramohan | Kulhachad | Baliapal | 7064061081 |  | N21037'35.53'' | E0870 20'04.88'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.75 | 4.90 | 38 |
| Amulya Pal | Jatindra | Kulhachad | Baliapal |  |  | N21037'35.57'' | E0870 20'04.94'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.14 | 5.22 | 37 |
| Arun Mangaraj | Bijaya | Kulhachad | Baliapal | 7684836753 |  | N21037'35.63'' | E0870 20'07.42'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.70 | 4.80 | 40 |
| Manoj Sahoo | Surendra | Kulhachad | Baliapal | 9583765075 |  | N21037'35.67'' | E0870 20'07.46'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.37 | 4.61 | 38 |
| Ajay Mangaraj | Takiri | Kulhachad | Baliapal | 7074102544 |  | N21037'35.73'' | E0870 20'07.51'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.69 | 4.87 | 37 |
| Jagannath Barik | Iswar | Kulhachad | Baliapal | 1437958241 |  | N21037'35.81'' | E0870 20'07.56'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.75 | 4.82 | 40 |
| Prasanta Jena | Sudhir | Kulhachad | Baliapal | 7849894337 |  | N21037'35.86'' | E0870 20'07.59'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.64 | 4.70 | 41 |
| Sek Rahim | Ramajan | Kulhachad | Baliapal | 7750869264 |  | N21037'35.88'' | E0870 20'07.62'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.97 | 4.92 | 42 |
| Ratnakar Dalai | Anadi | Kulhachad | Baliapal | 8337913305 |  | N21037'35.90'' | E0870 20'07.66'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.03 | 5.07 | 39 |
| Pravat Jena | Debendra | Kulhachad | Baliapal | 6064088283 |  | N21037'35.94'' | E0870 20'07.69'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.45 | 4.42 | 46 |
| Pramath Jena | Jitendra | Kulhachad | Baliapal | 7327011587 |  | N21037'35.97'' | E0870 20'07.72'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.89 | 5.12 | 35 |
| Manmath Jena | Gyanendra | Kulhachad | Baliapal | 9178294023 |  | N21037'34.82'' | E0870 20'07.75'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.91 | 5.13 | 35 |
| Prafulla Jena | Khagendra | Kulhachad | Baliapal |  |  | N21037'34.74'' | E0870 20'07.81'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.86 | 4.91 | 40 |
| Nirmala Jena | Khagendra | Kulhachad | Baliapal | 7381552632 |  | N21037'34.72'' | E0870 20'07.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 4.95 | 40 |
| Suresh chandra Giri | Deba | Kulhachad | Baliapal | 8895999125 |  | N21037'34.86'' | E0870 20'07.91'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.02 | 5.36 | 31 |
| Paresh Giri | Deba | Kulhachad | Baliapal | 8018002694 |  | N21037'34.92'' | E0870 20'07.97'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.67 | 5.28 | 26 |
| Girish chandra Giri | Kartika | Kulhachad | Baliapal | 8339037923 |  | N21037'36.28'' | E0870 20'04.82'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.95 | 5.48 | 27 |
| Sarbeswar Giri | Kartika | Kulhachad | Baliapal | 7750069360 |  | N21037'36.21'' | E0870 20'04.72'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.85 | 4.68 | 46 |
| Hrushikesh Giri | Kachi Bai | Kulhachad | Baliapal | 8596926589 |  | N21037'36.26'' | E0870 20'04.77'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.83 | 5.18 | 32 |
| Brundaban Pradhan | Krutibar | Kulhachad | Baliapal | 7894930123 |  | N21037'36.42'' | E0870 20'04.68'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.91 | 5.28 | 31 |
| Gangadhar Pradhan | Mahendra | Kulhachad | Baliapal | 7894983600 |  | N21037'36.51'' | E0870 20'04.62'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.59 | 4.81 | 37 |
| Sankar Pradhan | Kadarbi | Kulhachad | Baliapal | 7436930952 |  | N21037'36.46'' | E0870 20'04.56'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.61 | 4.90 | 35 |
| Amulya Sahoo | Marendra | Kulhachad | Baliapal | 7873674830 |  | N21037'36.55'' | E0870 20'04.48'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.85 | 5.10 | 34 |
| Rajkishore Jena | Mahendra | Kulhachad | Baliapal | 9583764063 |  | N21037'36.58'' | E0870 20'04.51'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.99 | 5.34 | 31 |
| Gobinda Sahoo | Upendra | Kulhachad | Baliapal | 8338833540 |  | N21037'36.51'' | E0870 20'04.41'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.83 | 4.95 | 38 |
| Binod Sahoo | Ayamata | Kulhachad | Baliapal | 7873568404 |  | N21037'36.19'' | E0870 20'05.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.91 | 4.82 | 43 |
| Ghanasyam Sahoo | Upendra | Kulhachad | Baliapal | 7381672588 |  | N21037'36.24'' | E0870 20'05.73'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.85 | 5.12 | 34 |
| Husen Khan | Ayamata | Kulhachad | Baliapal | 9583789663 |  | N21037'36.38'' | E0870 20'05.79'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.95 | 5.26 | 32 |
| Mochi Khan | Inati | Kulhachad | Baliapal | 3018094397 |  | N21037'36.50'' | E0870 20'05.92'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.40 | 4.80 | 33 |
| Muktar Khan | Ayamata | Kulhachad | Baliapal | 8018229078 |  | N21037'36.43'' | E0870 20'05.86'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.57 | 5.12 | 28 |
| Sarfal Khan | Inati | Kulhachad | Baliapal | 9583836313 |  | N21037'36.52'' | E0870 20'05.64'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.66 | 4.96 | 34 |
| Kanhu Charan Dutta | Bansidhar | Kulhachad | Baliapal | 7381821275 |  | N21037'36.56'' | E0870 20'05.61'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.84 | 5.06 | 35 |
| Maiduin Khan | Kunudan | Kulhachad | Baliapal | 9556554576 |  | N21037'36.81'' | E0870 20'05.53'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.92 | 5.01 | 38 |
| Firoz Khan | Karesh | Kulhachad | Baliapal | 9776603581 |  | N21037'36.72'' | E0870 20'05.46'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.79 | 5.26 | 29 |
| Srinibash Sahoo | Madhu | Kulhachad | Baliapal | 9599833162 |  | N21037'36.74'' | E0870 20'05.68'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.97 | 5.22 | 34 |
| Kangali Dalai | Srikanta | Kulhachad | Baliapal |  |  | N21037'36.79'' | E0870 20'05.76'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.07 | 5.17 | 37 |
| Surendra Sahoo | Madhu | Kulhachad | Baliapal | 9176897540 |  | N21037'36.69'' | E0870 20'05.51'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.17 | 5.28 | 36 |
| Basanta Sahoo | Rajani | Kulhachad | Baliapal | 7064882242 |  | N21037'36.78'' | E0870 20'05.46'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.95 | 5.51 | 26 |
| Rabindra Mangaraj | Rajani | Kulhachad | Baliapal | 8994631597 |  | N21037'36.86'' | E0870 20'06.03'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.10 | 5.09 | 39 |
| Gajendra Dalai | Punu | Kulhachad | Baliapal | 8599873286 |  | N21037'36.89'' | E0870 20'06.09'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.19 | 5.42 | 33 |
| Manguli Dalai | Saheb | Kulhachad | Baliapal | 8596810487 |  | N21037'36.05'' | E0870 20'06.12'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 5.26 | 32 |
| Laxmikanta Dalai | Saheb | Kulhachad | Baliapal | 706407878 |  | N21037'36.10'' | E0870 20'06.18'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.06 | 5.34 | 32 |
| Ramanath Dalai | Gajendra | Kulhachad | Baliapal |  |  | N21037'36.14'' | E0870 20'06.24'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.96 | 5.17 | 35 |
| Sabitri Sahoo | Surendra | Kulhachad | Baliapal |  |  | N21037'36.27'' | E0870 20'06.29'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.75 | 4.82 | 40 |
| Budhiram Dandapat | Purusottam | Kulhachad | Baliapal | 7438983847 |  | N21037'36.31'' | E0870 20'06.32'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.03 | 5.28 | 33 |
| Bhima Dalai | Gangadhar | Kulhachad | Baliapal |  |  | N21037'36.37'' | E0870 20'06.86'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.19 | 5.44 | 32 |
| Jhunu Dalai | Bunu | Kulhachad | Baliapal |  |  | N21037'36.44'' | E0870 20'06.92'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.68 | 4.78 | 40 |
| Ramachandra Dalai | Gangadhar | Kulhachad | Baliapal |  |  | N21037'36.47'' | E0870 20'06.98'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.09 | 5.29 | 34 |
| Subash Dalai | Durga | Kulhachad | Baliapal |  |  | N21037'36.52'' | E0870 20'07.12'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.77 | 5.18 | 31 |
| Raninath Dalai | Durga | Kulhachad | Baliapal | 7381519946 |  | N21037'36.57'' | E0870 20'07.18'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.92 | 5.28 | 31 |
| Trilochan Dalai | Buna | Kulhachad | Baliapal |  |  | N21037'36.61'' | E0870 20'07.21'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.15 | 5.39 | 33 |
| Haripada Dalai | Durga | Kulhachad | Baliapal | 7006487017 |  | N21037'36.67'' | E0870 20'07.25'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.58 | 4.67 | 41 |
| Amulya Dalai | Nangari | Kulhachad | Baliapal | 9583179870 |  | N21037'36.73'' | E0870 20'07.32'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.63 | 4.72 | 40 |
| Chakradhar Sahoo |  | Kulhachad | Baliapal |  |  | N21037'32.92'' | E0870 20'06.51'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.93 | 5.04 | 38 |
| Sapan Jena | Gopal | Kulhachad | Baliapal |  |  | N21037'31.62'' | E0870 20'06.48'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.03 | 5.27 | 33 |
| Nilakanth Sahoo | Banamali Sahoo | Kulhachad | Baliapal | 9583212922 |  | N21037'31.25'' | E0870 20'06.31'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.09 | 5.42 | 31 |
| Birendra Sahoo | Punticharan Sahoo | Kulhachad | Baliapal |  |  | N21037'31.41'' | E0870 20'06.38'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.13 | 4.98 | 43 |
| Santosh Barik | Harendra | Kulhachad | Baliapal |  |  | N21037'32.16'' | E0870 20'06.52'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.05 | 5.24 | 35 |
| Sudanshu Patra | Suheda | Kulhachad | Baliapal |  |  | N21037'31.62'' | E0870 20'06.84'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.74 | 5.27 | 28 |
| Saroj Barik | Harendra | Kulhachad | Baliapal | 8339080108 |  | N21037'31.74'' | E0870 20'06.94'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.13 | 5.20 | 37 |
| Gouranga Sahoo | Upendra | Kulhachad | Baliapal |  |  | N21037'31.81'' | E0870 20'06.98'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.16 | 5.24 | 37 |
| Pravakar Giri | Dharnidhar | Kulhachad | Baliapal |  |  | N21037'32.74'' | E0870 20'07.90'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 5.21 | 33 |
| Sarat Giri | Gourishankar | Kulhachad | Baliapal |  |  | N21037'32.84'' | E0870 20'07.81'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.68 | 4.75 | 41 |
| Narayan Giri | Pravakar | Kulhachad | Baliapal |  |  | N21037'32.64'' | E0870 20'07.69'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.39 | 4.47 | 43 |
| Ramesh Patra | Bhanu charan Patra | Kulhachad | Baliapal | 7873423544 |  | N21037'32.47'' | E0870 20'07.64'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.77 | 5.19 | 30 |
| Baikunth Sahoo | Banamali | Kulhachad | Baliapal | 7750928848 |  | N21037'32.52'' | E0870 20'07.72'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.80 | 5.12 | 33 |
| Harendra Sahoo | Purnacharan Sahoo | Kulhachad | Baliapal | 9583978807 |  | N21037'32.64'' | E0870 20'07.51'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.91 | 5.16 | 34 |
| Susanta Sahoo | Baidhar | Kulhachad | Baliapal | 9583448478 |  | N21037'32.71'' | E0870 20'07.53'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.85 | 4.95 | 38 |
| Sanjay Bhuyan | Ananta Khatua | Kulhachad | Baliapal | 9776378347 |  | N21037'31.34'' | E0870 20'06.94'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.16 | 5.22 | 37 |
| Kalicharan Khatua | Bhagaban | Kulhachad | Baliapal |  |  | N21037'31.28'' | E0870 20'06.82'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.14 | 5.24 | 36 |
| Sandhyarani Khatua | Shiba | Kulhachad | Baliapal |  |  | N2103731.24'' | E0870 20'06.78'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.93 | 4.96 | 40 |
| Janmejaya Sahoo | Baidhar | Kulhachad | Baliapal |  |  | N21037'31.16'' | E0870 20'06.71'' | Yes | 20-40-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.85 | 5.34 | 28 |
| Hemanta Sahoo | Nilakantha | Kulhachad | Baliapal |  |  | N21037'30.69'' | E0870 20'06.49'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.72 | 5.17 | 30 |
| Malati Sahoo | Susanta | Kulhachad | Baliapal | 9583711559 |  | N21037'30.41'' | E0870 20'06.22'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.60 | 4.86 | 36 |
| Namita Khatua | Paresh | Kulhachad | Baliapal |  |  | N21037'31.56'' | E0870 20'06.12'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.48 | 4.72 | 37 |
| Rabindra Khatua | Ajaya | Kulhachad | Baliapal |  |  | N21037'31.42'' | E0870 20'05.94'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.06 | 5.26 | 34 |
| Ajay Khatua | Ananta | Kulhachad | Baliapal |  |  | N21037'31.33'' | E0870 20'05.23'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.12 | 5.33 | 34 |
| Ambika Sahoo | Sanyasi | Kulhachad | Baliapal |  |  | N21037'31.09'' | E0870 20'05.41'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 6.94 | 5.27 | 32 |
| Sanyasi Sahoo | Narendra | Kulhachad | Baliapal |  |  | N21037'30.92'' | E0870 20'05.78'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.61 | 4.75 | 39 |
| Nikunta Khatua | Ananta | Kulhachad | Baliapal |  |  | N21037'30.88'' | E0870 20'05.59'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.18 | 5.28 | 36 |
| Sudhir Jena | Panchanan Jena | Kulhachad | Baliapal |  |  | N21037'30.64'' | E0870 20'05.21'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 7.00 | 5.21 | 34 |
| Parbati Jena | Sudhir | Kulhachad | Baliapal |  |  | N21037'30.51'' | E0870 20'05.37'' | Yes | 20-40-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.02 | 5.23 | 34 |
| Surendra patra | Bhanu charan Patra | Kulhachad | Baliapal | 7873324843 |  | N21037'30.45'' | E0870 20'05.58'' | Yes | 20-30-40-1 |  | IPM-02-14 | 4.00 |  |  | 7.14 | 5.41 | 32 |
| santosh patra | Bhanu charan Patra | Kulhachad | Baliapal | 7873010264 |  | N21037'30.24'' | E0870 20'05.62'' | Yes | 20-30-40-1 |  | IPM-02-14 | 8.00 |  |  | 6.85 | 4.96 | 38 |

1. **Crop 2 – Black gram**

**Details of technology:**

* Use of certified variety PU-31
* Seed treatment with Rhizobium culture @ 20g/kg seed
* Soil application of Borax (10.5%) @4kg/Ac
* Soil application of Zinc sulphate (21%) @ 10kg/Ac
* Plant protection measures:
* Application of neem oil (1500ppm) @3/lit from 45 DAS at 15 days interval + alternate spraying of Thiamethoxam @ 1g/3lt water for management of suction pest like aphid and whitefly.
* Installation of yellow sticky traps @ 10 nos. per Acre for controlling whitefly.
* Need based spraying of Fipronil5%SC @ 2mli/lit for the management of pod borer complex and leaf eating caterpillars.
* Need based application of Hexaconazole @ 1g/lit for the control of powdery mildew disease and other fungal disease

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of farmer | Father’sname | Village | Block | Mobile No. | Email ID | GPS Coordinates (DDMMSS format) | | Soil testing done (Yes/No) | Recommendations based on soil test value | Brief technology intervention | Variety | Seed quantity used | Demo. Yield (q/ha) | | | Yield of local check q/ha | % increase |
|  |  |  |  |  |  | **Latitude** | **Longitude** |  | **(N-P2O5-K2O-B)**  **kg/ha** |  |  |  | **H** | **L** | **A** |  |  |
| Kusha Charan Manik | Siba Manik | Bisnupur | Baliapal | 8655007259 |  | N21040'18.56'' | E087014'55.69'' | Yes | 20-40-40-1 |  | PU-31 | 0.8 |  |  | 6.59 | 5.57 | 18.31 |
| Ramanath Manik | Siba Manik | Bisnupur | Baliapal |  |  | N21040'18.95'' | E087014'55.95'' | Yes | 20-40-40-1 |  | PU-31 | 0.8 |  |  | 6.48 | 5.20 | 24.62 |
| Sapan Kumar Manik | Jagannath Manik | Bisnupur | Baliapal | 9937836520 |  | N21040'18.65'' | E087014'55.36'' | Yes | 20-40-40-1 |  | PU-31 | 0.8 |  |  | 6.83 | 5.47 | 24.86 |
| Madhusudhan Manik | Jhadeswar Manik | Bisnupur | Baliapal |  |  | N21040'18.89'' | E087014'55.82'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.93 | 5.63 | 23.09 |
| Sadhu Manik | Jhadeswar Manik | Bisnupur | Baliapal | 7077204510 |  | N21040'18.87'' | E087014'55.67'' | Yes | 20-40-40-1 |  | PU-31 | 0.8 |  |  | 6.11 | 4.80 | 27.29 |
| Gouranga Manik | Ajadi Manik | Bisnupur | Baliapal | 8658191765 |  | N21040'18.83'' | E087014'55.39'' | Yes | 20-40-40-1 |  | PU-31 | 0.8 |  |  | 6.33 | 5.18 | 22.20 |
| Nityananda Manik | Anadi Manik | Bisnupur | Baliapal | 9938915470 |  | N21040'17.68'' | E087014'54.91'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.78 | 5.45 | 24.40 |
| Goutam Manik | Ajay Manik | Bisnupur | Baliapal | 8455902893 |  | N21040'17.48'' | E087014'54.25'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.15 | 5.01 | 22.75 |
| Kakicharan Manik | Krushna Manik | Bisnupur | Baliapal | 7069339377 |  | N21040'17.68'' | E087014'54.53'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 6.22 | 5.19 | 19.85 |
| Panchanan Manik | Krushna Manik | Bisnupur | Baliapal | 9938705619 |  | N21040'17.98'' | E087014'54.64'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.02 | 4.90 | 22.86 |
| Purnachandra Manik | Krushna Manik | Bisnupur | Baliapal | 7381996914 |  | N21040'17.92'' | E087014'54.28'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.59 | 5.46 | 20.70 |
| Padmalochan Manik | Krushna Manik | Bisnupur | Baliapal | 9237056191 |  | N21040'16.95'' | E087014'53.82'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.89 | 5.57 | 23.70 |
| Maheswar Manik | Krushna Manik | Bisnupur | Baliapal |  |  | N21040'16.58'' | E087014'53.68'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 6.53 | 5.31 | 22.98 |
| Dhanjaya Giri | Sambhunath Giri | Bisnupur | Baliapal | 9078429458 |  | N21040'16.65'' | E087014'53.82'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 7.01 | 5.67 | 23.63 |
| Padmalochan Giri | Jagannath Giri | Bisnupur | Baliapal | 7682017728 |  | N21040'16.37'' | E087014'53.81'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.08 | 5.32 | 33.08 |
| Gangadhar Giri | Bhagaban Giri | Bisnupur | Baliapal | 8658236869 |  | N21040'16.96'' | E087014'53.72'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.29 | 4.90 | 28.37 |
| Paramananda Pradhan | Krsuhna Pradhan | Bisnupur | Baliapal | 7684020339 |  | N21040'15.99'' | E087014'52.72'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.31 | 4.89 | 29.04 |
| Jatindra Nath | Hara Nath | Bisnupur | Baliapal |  |  | N21040'15.63'' | E087014'52.79'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.25 | 4.87 | 28.34 |
| Ananta Pradhan | Puruttom Pradhan | Bisnupur | Baliapal | 9078429458 |  | N21040'15.65'' | E087014'52.67'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.08 | 5.47 | 29.43 |
| Khirasindhu Pradhan | Puruttom Pradhan | Bisnupur | Baliapal | 8456224096 |  | N21040'15.48'' | E087014'52.75'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.11 | 5.42 | 31.18 |
| Purnachandra Nath | Balaram ram Nath | Bisnupur | Baliapal | 9937859204 |  | N21040'15.59'' | E087014'52.82'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.24 | 4.90 | 47.76 |
| Purnachandra Rana | Bhanu Rana | Bisnupur | Baliapal | 9668001416 |  | N21040'15.36'' | E087014'52.18'' | Yes | 20-30-40-1 |  | PU-31 | 0.8 |  |  | 6.31 | 4.99 | 26.45 |
| Prafulla Rana | Sitaram Rana | Bisnupur | Baliapal |  |  | N21040'15.83'' | E087014'52.94'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.03 | 5.71 | 23.12 |
| Jagannath Pradhan | Hara Pradhan | Bisnupur | Baliapal | 7682017728 |  | N21040'15.62'' | E087014'52.91'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.03 | 5.45 | 28.99 |
| Banshi Sahoo | Sambhu Sahoo | Bisnupur | Baliapal | 9237115995 |  | N21040'15.99'' | E087014'52.68'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.01 | 5.42 | 29.34 |
| Rabindra Manik | Banamali Manik | Bisnupur | Baliapal | 9583280406 |  | N21040'14.56'' | E087014'51.46'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 7.13 | 5.62 | 26.87 |
| Sudhanshu Manik | Surendra Manik | Bisnupur | Baliapal | 7682017728 |  | N21040'14.42'' | E087014'51.68'' | Yes | 20-40-40-1 |  | PU-31 | 8 |  |  | 6.02 | 4.98 | 20.88 |
| Gajendra Manik | Narendra Manik | Bisnupur | Baliapal | 6782017728 |  | N21040'14.59'' | E087014'51.38'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.22 | 4.99 | 24.65 |
| Bejendra Manik | Narendra Manik | Bisnupur | Baliapal | 8456939834 |  | N21040'14.53'' | E087014'51.64'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.02 | 5.83 | 20.41 |
| Gangadhar Rana | Sridhar Rana | Bisnupur | Baliapal |  |  | N21040'14.36'' | E087014'51.38'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.9 | 5.58 | 23.66 |
| Kamal lochan Rana | Sridhar Rana | Bisnupur | Baliapal | 7750069189 |  | N21040'14.63'' | E087014'51.94'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 7.01 | 5.76 | 21.70 |
| Benudhar Rana | Jhadi Rana | Bisnupur | Baliapal | 7077204471 |  | N21040'14.86'' | E087014'51.29'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.11 | 5.77 | 23.22 |
| Bhagaban Giri | Shiba Giri | Bisnupur | Baliapal | 7683933909 |  | N21040'13.62'' | E087014'50.65'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 7.12 | 5.56 | 28.06 |
| Jayanta Sahoo | Baikuntha Pradhan | Bisnupur | Baliapal | 9938664453 |  | N21040'13.28'' | E087014'50.58'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.12 | 5.72 | 24.48 |
| Siba Pradhan | Shyama Pradhan | Bisnupur | Baliapal | 7605954714 |  | N21040'13.01'' | E087014'50.72'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.12 | 5.89 | 20.88 |
| Ramesh Nandi | Baikuntha Nandi | Bisnupur | Baliapal | 9903385554 |  | N21040'13.65'' | E087014'50.29'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.05 | 5.76 | 22.40 |
| Jageswar Pradhan | Kartik Rana | Bisnupur | Baliapal | 9583238040 |  | N21040'13.85'' | E087014'50.68'' | Yes | 20-30-40-1 |  | PU-31 | 0.8 |  |  | 7 | 5.64 | 24.11 |
| Umakanta Rana | Hagar Rana | Bisnupur | Baliapal | 9777878502 |  | N21040'12.95'' | E087014'49.68'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.08 | 5.76 | 22.92 |
| Sambhunath Pradhan | Khetra Pradhan | Bisnupur | Baliapal | 9777959922 |  | N21040'12.59'' | E087014'49.56'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.87 | 5.58 | 23.12 |
| Chachindra Sahoo | Syama Sahoo | Bisnupur | Baliapal | 9040604760 |  | N21040'12.55'' | E087014'49.25'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.06 | 5.76 | 22.57 |
| Nakula Pradhan | Shyma Pradhan | Bisnupur | Baliapal |  |  | N21040'12.69'' | E087014'49.65'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.02 | 5.73 | 22.51 |
| Satyaranjan Giri | Damodhar Giri | Bisnupur | Baliapal | 9237069711 |  | N21040'13.87'' | E087014'48.99'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.89 | 5.58 | 23.48 |
| Mrutyanjaya Giri | Banshidhar Giri | Bisnupur | Baliapal | 9556539352 |  | N21040'12.89'' | E087014'48.68'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.05 | 5.75 | 22.61 |
| Maheswar Giri | Bholanath Giri | Bisnupur | Baliapal | 8658747332 |  | N21040'12.65'' | E087014'48.80'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.49 | 5.38 | 20.63 |
| Abani Sahoo | Kali Sahoo | Bisnupur | Baliapal | 7894532388 |  | N21040'12.29'' | E087014'48.62'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.12 | 5.89 | 20.88 |
| Baidhar Rana | Kali Sahoo | Bisnupur | Baliapal |  |  | N21039'46.58'' | E087015'06.95'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.11 | 5.72 | 24.30 |
| Rajendra Rana | Kali Sahoo | Bisnupur | Baliapal |  |  | N21039'46.95'' | E087015'06.94'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.09 | 5.67 | 25.04 |
| Satyajit Pradhan | Niyasi Pradhan | Bisnupur | Baliapal | 8093492336 |  | N21039'46.15'' | E087015'06.25'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.09 | 5.78 | 22.66 |
| Kalicharan Pradhan | Jhadu Pradhan | Bisnupur | Baliapal |  |  | N21039'46.85'' | E087015'06.95'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.11 | 5.71 | 24.52 |
| Raghunath Nandi | Pravakar Nadni | Bisnupur | Baliapal |  |  | N21039'46.81'' | E087015'06.35'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.07 | 5.73 | 23.39 |
| Bhagirath Nandi | Pravakar Nandi | Bisnupur | Baliapal |  |  | N21039'46.58'' | E087015'06.47'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.78 | 5.44 | 24.63 |
| Purnachandra Nandi | Shyama Nandi | Bisnupur | Baliapal |  |  | N21039'46.35'' | E087015'06.67'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.06 | 5.73 | 23.21 |
| Baidhar Pradhan | Jhadhu Pradhan | Bisnupur | Baliapal |  |  | N21039'49.98'' | E087015'08.69'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.88 | 5.65 | 21.77 |
| Dhruba Nandi | Pravaka Nandi | Bisnupur | Baliapal |  |  | N21039'49.56'' | E087015'08.56'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.09 | 5.74 | 23.52 |
| Paramananda Pradhan |  | Bisnupur | Baliapal |  |  | N21039'49.78'' | E087015'07.48'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.09 | 5.67 | 25.04 |
| Dhanunjaya Majhi | Jhadi Majhi | Dumichaka | Baliapal | 8984323445 |  | N21039'47.81'' | E087015'07.37'' | Yes | 20-40-40-1 |  | PU-31 | 8 |  |  | 7.09 | 5.64 | 25.71 |
| Banamali Dalai | Sambhunath Dalai | Dumichaka | Baliapal | 7077385368 |  | N21039'47.92'' | E087015'07.18'' | Yes | 20-30-40-1 |  | PU-31 | 6.4 |  |  | 7.11 | 5.88 | 20.92 |
| Ramachandra Dalai | Sambjunath Dalai | Dumichaka | Baliapal | 8337997625 |  | N21039'47.81'' | E087015'07.36'' | Yes | 20-30-40-1 |  | PU-31 | 4.8 |  |  | 6.88 | 5.64 | 21.99 |
| Binod Kumar Sahoo | Gopinath Sahoo | Dumichaka | Baliapal | 9178095484 |  | N21039'47.59'' | E087015'07.69'' | Yes | 20-40-40-1 |  | PU-31 | 8 |  |  | 6.99 | 5.66 | 23.50 |
| Jhadeswar Dalai | Choudhury Dalai | Dumichaka | Baliapal | 8455078045 |  | N21039'47.65'' | E087015'07.56'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.09 | 5.74 | 23.52 |
| Dinabindhu Dalai | Bhaskar Dalaia | Dumichaka | Baliapal | 9583143351 |  | N21039'47.54'' | E087015'07.48'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.05 | 5.67 | 24.34 |
| Gangadhar Sahoo | Surendra Sahoo | Dumichaka | Baliapal | 7077106100 |  | N21039'47.62'' | E087015'07.18'' | Yes | 20-40-40-1 |  | PU-31 | 8 |  |  | 7.04 | 5.84 | 20.55 |
| Bimbadhar Sahoo | Surendra Sahoo | Dumichaka | Baliapal | 9237023064 |  | N21039'47.81'' | E087015'07.36'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.08 | 5.83 | 21.44 |
| Rajendra Sahoo | Baburam Sahoo | Dumichaka | Baliapal | 7326892974 |  | N21039'48.38'' | E087015'07.69'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 6.79 | 5.48 | 23.91 |
| Nilambar Dhal | Shiba Dhal | Dumichaka | Baliapal |  |  | N21039'48.51'' | E087015'07.56'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.01 | 5.66 | 23.85 |
| Sudhakar Dhal | Jagannath Dhal | Dumichaka | Baliapal | 9776469351 |  | N21039'48.30'' | E087015'07.48'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.01 | 5.76 | 21.70 |
| Kalicharan Dhal | Raghunath Dhal | Dumichaka | Baliapal | 7873017859 |  | N21039'48.63'' | E087015'07.25'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.19 | 4.96 | 24.80 |
| Bijaya Kumar Giri | Sambhunath Giri | Dumichaka | Baliapal | 7684061431 |  | E21039'48.59'' | E087015'07.65'' | Yes | 20-40-40-1 |  | PU-31 | 4.8 |  |  | 6.82 | 5.55 | 22.88 |
| Manoranjan Giri | Kinaram Giri | Dumichaka | Baliapal | 7064752418 |  | N21039'48.32'' | E087015'07.56'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.12 | 5.76 | 23.61 |
| Madhusudan Giri | Radhu Giri | Dumichaka | Baliapal | 8984502011 |  | N21039'47.54'' | E087015'07.35'' | Yes | 20-40-40-1 |  | PU-31 | 16 |  |  | 7.13 | 5.70 | 25.09 |
| Namita Giri | Sanyashi Giri | Dumichaka | Baliapal | 8984415673 |  | N21039'47.41'' | E087015'07.86'' | Yes | 20-40-40-1 |  | PU-31 | 16 |  |  | 7.13 | 5.89 | 21.05 |
| Ramesh Chandra Giri | Bhaskar Giri | Dumichaka | Baliapal | 7205801530 |  | N21039'47.05'' | E087015'07.73'' | Yes | 20-40-40-1 |  | PU-31 | 2.4 |  |  | 7.12 | 5.76 | 23.61 |
| Amulya Giri | Shyam sundar Giri | Dumichaka | Baliapal | 7684061445 |  | N21039'48.09'' | E087015'07.65'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.04 | 5.67 | 24.16 |
| Satrughana Nandi | Padmalochan Nandi | Dumichaka | Baliapal | 9776887960 |  | N21039'48.59'' | E087015'06.84'' | Yes | 20-40-40-1 |  | PU-31 | 9.6 |  |  | 7.05 | 5.86 | 20.31 |
| Rabindra Giri | Harekrushna Giri | Dumichaka | Baliapal | 8327746781 |  | N21039'48.47'' | E087015'06.65'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 7.13 | 5.84 | 22.09 |
| Bhabesh Chandra Giri | Bhanu charan Giri | Dumichaka | Baliapal | 9438635538 |  | N21039'46.36'' | E087015'06.56'' | Yes | 20-40-40-1 |  | PU-31 | 6.4 |  |  | 7.03 | 5.74 | 22.47 |
| Benudhar Sahoo | Gopinath Sahoo | Dumichaka | Baliapal | 7064033123 |  | N21039'46.26'' | E087015'06.58'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.07 | 5.67 | 24.69 |
| Dibakar Nandi | Gadadhar Nandi | Dumichaka | Baliapal | 8093652721 |  | N21039'46.62'' | E087015'06.59'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.11 | 5.93 | 19.90 |
| Damodhar Nandi | Gadadhar Nandi | Dumichaka | Baliapal | 7205362636 |  | N21039'46.21'' | E087015'06.85'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 7.12 | 5.89 | 20.88 |
| Rajendra Rana | Nirmaya Rana | Dumichaka | Baliapal | 9040984378 |  | N21039'46.96'' | E087015'07.56'' | Yes | 20-40-40-1 |  | PU-31 | 2.4 |  |  | 7.01 | 5.68 | 23.42 |
| Bajendra nath Giri | Harekrushna Giri | Dumichaka | Baliapal | 9583027742 |  | N21039'46.82'' | E087015'08.57'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.11 | 5.88 | 20.92 |
| Dibakar Giri | Nath Giri | Dumichaka | Baliapal | 9237071551 |  | N21039'46.65'' | E087015'08.48'' | Yes | 20-40-40-1 |  | PU-31 | 10.4 |  |  | 7.12 | 5.68 | 25.35 |
| Gopal Nandi | Anandi Nandi | Dumichaka | Baliapal | 9668729241 |  | N21039'46.58'' | E087015'08.32'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.89 | 5.67 | 21.52 |
| Asit Kumar Giri | Sambhunath Giri | Dumichaka | Baliapal | 9237470426 |  | N21039'48.63'' | E087015'09.56'' | Yes | 20-40-40-1 |  | PU-31 | 2.4 |  |  | 7.05 | 5.73 | 23.04 |
| Debendra Dhal | Ramakanta Dhal | Dumichaka | Baliapal | 7894492349 |  | N21039'48.45'' | E087015'09.51'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.87 | 5.55 | 23.78 |
| Anadi Giri | Managobinda Giri | Dumichaka | Baliapal | 7873332055 |  | N21039'48.56'' | E087015'09.48'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 6.79 | 5.55 | 22.34 |
| Surendra Giri | Narendra Giri | Dumichaka | Baliapal | 9583858635 |  | E21039'48.36'' | E087015'09.84'' | Yes | 20-40-40-1 |  | PU-31 | 2.4 |  |  | 6.18 | 4.95 | 24.85 |
| Kanhu Charan Giri | Manogobinda Giri | Dumichaka | Baliapal | 9237944344 |  | N21039'48.95'' | E087015'09.36'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 6.28 | 5.21 | 20.54 |
| Dinabandhu Dash | Sridhar Dash | Dumichaka | Baliapal | 8018867237 |  | N21039'47.58'' | E087015'09.15'' | Yes | 20-40-40-1 |  | PU-31 | 2.4 |  |  | 6.73 | 5.41 | 24.40 |
| Lambhudhar Giri | Manogibinda Giri | Dumichaka | Baliapal | 9776329684 |  | N21039'47.32'' | E087015'06.84'' | Yes | 20-40-40-1 |  | PU-31 | 3.2 |  |  | 6.11 | 4.99 | 22.44 |
| Bijaya Kumar Nandi | Surendra Nandi | Dumichaka | Baliapal | 9937976937 |  | N21039'47.77'' | E087015'06.78'' | Yes | 20-40-40-1 |  | PU-31 | 10.4 |  |  | 6.68 | 5.45 | 22.57 |
| Himanshu Dalai | Siba Dalai | Dumichaka | Baliapal | 8018852448 |  | N21039'48.38'' | E087015'06.91'' | Yes | 20-40-40-1 |  | PU-31 | 2.4 |  |  | 6.89 | 5.56 | 23.92 |
| Raghunath Pradhan | Ghanti Pradhan | Dumichaka | Baliapal | 9777684448 |  | N21039'46.56'' | E086075'55.82'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.01 | 5.75 | 21.91 |
| Maguni Rout | Balaram Rout | Gud | Soro | 9556983360 |  | N21019'09.35" | E086075'41.69'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 6.66 | 5.43 | 22.65 |
| Mukunda Rout | Bairagi Rout | Gud | Soro | 9937631140 |  | N21019'09.45'' | E0886075'41.55'' | Yes | 20-40-40-1 |  | PU-31 | 8 |  |  | 6.79 | 5.67 | 19.75 |
| Krusna Ch Puhan | Budhiram Puhan | Gud | Soro | **9777298771** |  | N21019'09.53'' | E086075'41.79'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 6.89 | 5.54 | 24.37 |
| Ganesh Ch Sethi | Sankar Sethi | Gud | Soro | 9040663641 |  | N21019'09.55'' | E086075'41.35'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 6.88 | 5.55 | 23.96 |
| Kalandi Sethi | Krushna Sethi | Gud | Soro | 9937253548 |  | N21019'09.75'' | E086075'41.36'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 7.03 | 5.67 | 23.99 |
| Balakrusna Sethi | Rajendra Sethi | Gud | Soro | 7377569896 |  | N21019'09.25'' | E086075'41.69'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 7.07 | 5.71 | 23.82 |
| Sarat Sethi | Baidhara Sethi | Gud | Soro |  |  | N21019'09.38'' | E0886075'41.95'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 6.88 | 5.63 | 22.20 |
| Ramesh Ch Sethi | Baidhara Sethi | Gud | Soro | 8093965664 |  | N21019'09.91'' | E086075'41.12'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.74 | 5.52 | 22.10 |
| Sankarshan Nayak | Murali Nayak | Gud | Soro |  |  | N21019'09.82'' | E086075'41.35'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.87 | 5.56 | 23.56 |
| Bhagirathi Mohanty | Damodhar Mohanty | Gud | Soro |  |  | N21019'09.37'' | E086075'41.68'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 7.01 | 5.67 | 23.63 |
| Ganesh Ch Behera | Gobinda Behera | Gud | Soro |  |  | N21019'09.81'' | E086075'41.98'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.55 | 5.33 | 22.89 |
| Sudarshana Behera | Gobinda Behera | Gud | Soro |  |  | N21019'10.92'' | E0886075'41.65'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.35 | 5.21 | 21.88 |
| Muralidhara Palei | Baidhara Palei | Gud | Soro | 9937605623 |  | N21019'10.28'' | E086075'41.88'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 6.17 | 5.11 | 20.74 |
| Raghunath Behera | Narahari Behera | Gud | Soro |  |  | N21019'10.38'' | E086075'41.52'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 6.16 | 5.21 | 18.23 |
| Sankarshan Nayak | Panu Nayak | Gud | Soro | 8456930441 |  | N21019'10.97'' | E086075'41.82'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.19 | 5.01 | 23.55 |
| Sabtri Mohanty | Bhabananda Mohanty | Gud | Soro | 9046253696 |  | N21019'10.46'' | E086075'41.69'' | Yes | 20-30-40-1 |  | PU-31 | 8 |  |  | 7.13 | 5.89 | 21.05 |
| Ramakanta Muduli | Bairagi Muduli | Gud | Soro | 7205346084 |  | N21018'10.84'' | E0886074'42.95'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.56 | 5.32 | 23.31 |
| Sambhunatha Sethi | Sagar Sethi | Gud | Soro | 8093238146 |  | N21018'10.64'' | E086074'42.36'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.59 | 5.47 | 20.48 |
| Nilu Samal | Dibakar Samal | Gud | Soro | 7205938054 |  | N21018'10.94'' | E086074'42.82'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 6.27 | 5.21 | 20.35 |
| Purna Chandra Sethi | Sagar Sethi | Gud | Soro | 8454033904 |  | N21018'10.34'' | E086074'42.82'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 6.59 | 5.46 | 20.70 |
| Pradeep Mahalik | sarathi Mahalik | Gud | Soro | 8093374614 |  | N21018'10.61'' | E086074'42.69'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.07 | 5.84 | 21.06 |
| Ananta Sethi | Pravakar Sethi | Gud | Soro |  |  | N21018'10.71'' | E086074'42.64'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.07 | 5.76 | 22.74 |
| Harekrusna Sethi | Pravakar Sethi | Gud | Soro | 8984514044 |  | N21018'10.58'' | E086074'42.38'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.85 | 5.55 | 23.42 |
| Basanti Sethi | Manga Sethi | Gud | Soro |  |  | N21018'10.66'' | E086074'42.86'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.07 | 5.00 | 21.40 |
| Malati Sethi | Kailash Sethi | Gud | Soro |  |  | N21018'10.94'' | E086074'42.78'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.01 | 4.89 | 22.90 |
| Dinabandhu Sethi | Sukura Sethi | Gud | Soro | 8270832758 |  | N21018'08.69'' | E086074'42.57'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 6.21 | 4.98 | 24.70 |
| Bhagaban Biswal | Bishnu Biswal | Gud | Soro | 9040606481 |  | N21018'08.91'' | E086074'42.39'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 6.1 | 4.99 | 22.24 |
| Kuturi Jena | Madhu Jena | Gud | Soro | 9040412268 |  | N21018'08.25'' | E086074'42.95'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 7.01 | 5.86 | 19.62 |
| Bhagaban Sethi | Bhuaa Sethi | Gud | Soro | 8093819085 |  | N21018'08.91'' | E086074'42.36'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 7.07 | 5.76 | 22.74 |
| Ramakanta Jena | Bhalu Jena | Gud | Soro |  |  | N21018'08.34'' | E086074'42.36'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.87 | 5.54 | 24.01 |
| Basanta Biswal | Prahalad Biswal | Gud | Soro | 9178037551 |  | N21018'08.56'' | E086074'42.82'' | Yes | 20-30-40-1 |  | PU-31 | 6 |  |  | 7.05 | 5.75 | 22.61 |
| Minati Das | Sasikanta Das | Gud | Soro | 8018932241 |  | N21018'08.65'' | E086074'42.65'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.24 | 5.00 | 24.80 |
| Tilottama Mohanty | Adikanda Mohanty | Gud | Soro | 9040033058 |  | N21018'08.62'' | E086074'42.89'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.24 | 5.31 | 17.51 |
| Indrani Raut | Maguni Raut | Gud | Soro |  |  | N21018'08.28'' | E086074'42.39'' | Yes | 20-40-40-1 |  | PU-31 | 6 |  |  | 6.29 | 5.46 | 15.20 |
| Tarakanta Biswal | Bhagaban | Gud | Soro |  |  | N21018'08.01'' | E086074'42.85'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 6.29 | 5.16 | 21.90 |
| Golak Chandra Rout | Bhagirathi | Gud | Soro |  |  | N21018'08.65'' | E086074'42.82'' | Yes | 20-40-40-1 |  | PU-31 | 4 |  |  | 7.13 | 5.89 | 21.05 |
| Ashamani Jena | Ganesh | Gud | Soro |  |  | N21018'08.85'' | E086074'42.78'' | Yes | 20-30-40-1 |  | PU-31 | 4 |  |  | 7.11 | 5.85 | 21.54 |
| Manorama Muduli | Ramakanta | Gud | Soro |  |  | N21020'08.95'' | E086072'40.36'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.01 | 5.94 | 18.01 |
| Jayanti Muduli | Surendra | Gud | Soro |  |  | N21020'08.59'' | E086072'40.68'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.12 | 4.99 | 22.65 |
| Debasis Muduli | Mukunda | Gud | Soro |  |  | N21020'11.55'' | E086072'40.87'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 6.45 | 5.84 | 10.45 |
| Baikuntha Dalei | Baidhar | Gud | Soro |  |  | N21020'11..66'' | E086072'40.35'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.01 | 5.69 | 23.20 |
| Ekadasi Sethi | Gopal | Gud | Soro |  |  | N21020'11.99'' | E086072'40.76'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.01 | 5.65 | 24.07 |
| Gouranga Panda | Ramachandra | Gud | Soro |  |  | N21020'11.85'' | E086072'40.38'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.07 | 5.69 | 24.25 |
| Upendra Behera | Siba | Gud | Soro |  |  | N21020'11.45'' | E086072'40.55'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 6.11 | 4.96 | 23.19 |
| Haimabati Panda | Ratikanta | Gud | Soro |  |  | N21020'11.56'' | E086072'40.21'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 6.06 | 4.99 | 21.44 |
| Chakradhar Biswal | Banamali | Gud | Soro |  |  | N21020'11.63'' | E086072'40.78'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.04 | 5.66 | 24.38 |
| Ashok Nayak | Nishakar | Gud | Soro |  |  | N21020'11.35'' | E086072'40.25'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.04 | 5.81 | 21.17 |
| Maguni Roula | Balaram | Gud | Soro |  |  | N21020'11.68'' | E086072'40.97'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 6.29 | 5.31 | 18.46 |
| Rebati Jena | Suresh | Gud | Soro |  |  | N21020'11.57'' | E086072'40.56'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 6.12 | 5.02 | 21.91 |
| Priyabrata Maharana | Raghunath | Gud | Soro |  |  | N21020'11.35'' | E086072'40.65'' | Yes | 20-30-40-1 |  | PU-31 | 2 |  |  | 7.11 | 5.83 | 21.96 |
| Bhagaban Biswal | Bishnu | Gud | Soro |  |  | N21020'11.55'' | E086072'40.54'' | Yes | 20-40-40-1 |  | PU-31 | 2 |  |  | 7.11 | 5.69 | 24.96 |

**C) Crop 3: Groundnut**

**Details of technology:**

* Certified class seed of Groundnut var. Kadiri-6@ 175kg pods/ha
* Seed treatment with vitavax power@ 2g/kg seed
* Seed inoculation with rhizobium culture@ 50g/kg seed
* Soil test based balanced nutrient application
* Basal application of sulfomax@ 25kg/ha
* Combined nutrient spray(Mix 2.5kgDAP+1kgAmmonium sulphate+500g Borax in 40 ltrs water, Kept overnight, filtered, made up the volume to 500ltrs, mix 350ml planofix. Spray in 1 hectare area at 35-45DAS
* Soil drenching & foliar spraying of Ridomil gold (metalaxyl+mancozeb)@ 2g + k-cycline@ 0.1g /ltr water for management of collar rot & root rot at 50-60DAS
* Foliar spraying of Triazophos 35%+ Deltamethrin1%@ 2ml/ltr water 25-30DAS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of farmer | Father’sname | Village | Block | Mobile No. | Email ID | GPS Coordinates (DDMMSS format) | | Soil testing done (Yes/No) | Recommendations based on soil test value | Brief technology intervention | Variety | Seed quantity used  (kg) | Demo. Yield (q/ha) | | | Yield of local check q/ha | % increase |
|  |  |  |  |  |  | Latitude | Longitude |  | **N-P2O5-K2O-S-B** |  |  |  | H | L | A |  |  |
| Niyasi Charan Mohanty | Baruni Mohanty | Narayanpur | Baliapal | 7377949279 |  | N21034'51.84'' | E087**0** 16'36.05'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 27.28 | 20.72 | 31.66 |
| Abhilasha Mohanty | Baruni Mohanty | Narayanpur | Baliapal | 9583563582 |  | N21034'52.23'' | E087016'36.08'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.75 | 20.74 | 14.51 |
| Pradeep Kumar Mohanty | Ramachandra Mohanty | Narayanpur | Baliapal |  |  | N21034'52.47'' | E087016'37.46'' | Yes | 20-30-40-0-1 |  | Kadiri-6 | 105 |  |  | 23.25 | 18.46 | 25.95 |
| Satyananda Das | Prahallada Mohanty | Narayanpur | Baliapal | 7873568272 |  | N21034'50.86'' | E087016'38.47'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.51 | 18.44 | 22.07 |
| Narahari Das | Syamsundra Das | Narayanpur | Baliapal | 9583140475 |  | N21034'51.04'' | E08701639.31'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 24.23 | 20.38 | 18.89 |
| Bishnupad Parida | Mayadhar Parida | Narayanpur | Baliapal | 8599881001 |  | N21034'51.22'' | E087016'40.38'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 140 |  |  | 24.02 | 19.35 | 24.13 |
| Karunakar Parida | Kshetramohan Parida | Narayanpur | Baliapal | 7881611405 |  | N21034'52.22'' | E08701641.08'' | Yes | 20-30-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.89 | 19.37 | 18.17 |
| Bidyadhar Parida | Darsan Parida | Narayanpur | Baliapal |  |  | N21034'5288'' | E087016'42.47'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.84 | 19.42 | 17.61 |
| Parsuram Parida | Binod Parida | Narayanpur | Baliapal | 773533189 |  | N21034'53.56'' | E087016'41.25'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 25.23 | 18.73 | 34.70 |
| Sridhara Jena | Daitari Jena | Betagadia | Baliapal |  |  | N21034'53.69'' | E087016'40.63'' | Yes | 20-30-40-0-1 |  | Kadiri-6 | 140 |  |  | 24.21 | 20.68 | 17.07 |
| Sudhanshu Das | Kartika Das | Narayanpur | Baliapal | 9583187362 |  | N21034'52.87'' | E087016'41.72'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 24.96 | 20.76 | 20.23 |
| Rabindar Khatua | Gunakar Khatua | Narayanpur | Baliapal | 9776894339 |  | N21034'53.55'' | E087016'45.52'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 23.56 | 20.32 | 15.94 |
| Manmath Hajira | Sarthak Hajira | Narayanpur | Baliapal | 9583901717 |  | N21034'54.50'' | E087016'42.32'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.07 | 20.55 | 12.26 |
| Rabindra Jena | Sridhar Jena | Betagadia | Baliapal |  |  | N21034'55.44'' | E087016'43.23'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.81 | 19.88 | 14.74 |
| Anadi Hajira | Sarthak Hajira | Narayanpur | Baliapal | 7381169086 |  | N21034'55.66'' | E087016'44.10'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 105 |  |  | 22.82 | 19.37 | 17.81 |
| Sanyasi Hajira | Sathak Hajira | Narayanpur | Baliapal | 7387202816 |  | N21034'5454'' | E087016'41.23'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.57 | 18.68 | 20.82 |
| Maheswar Padhiary | Purasottam Padhiary | Narayanpur | Baliapal | 7847935423 |  | N21034'54.69'' | E087016'40.31'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 105 |  |  | 25.14 | 19.57 | 28.46 |
| Srustidhar Mohanty | Kangali Mohanty | Narayanpur | Baliapal | 8097271815 |  | N21034'55.63'' | E087016'45.03'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 24.82 | 20.52 | 20.96 |
| Ramakrushna Giri | Jaineswar Giri | Chaulia | Baliapal | 8658728542 |  | N21034'55.53'' | E087016'46.66'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 105 |  |  | 24.53 | 20.96 | 17.03 |
| Ganesh Chandra Padhiary | Purosottam Padhiary | Narayanpur | Baliapal | 9776439828 |  | N21034'54.05'' | E087016'46.69'' | Yes | 20-30-40-0-1 |  | Kadiri-6 | 105 |  |  | 23.24 | 20.65 | 12.54 |
| Harinaryan Parida | Benudhar Parida | Narayanpur | Baliapal | 7008730855 |  | N21034'52.40'' | E087016'46.79'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 25.16 | 20.78 | 21.08 |
| Gagan Bihari Hajira | Purosottam Hajira | Narayanpur | Baliapal | 7077237560 |  | N21034'52.56'' | E087016'47.83'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 105 |  |  | 25.29 | 19.42 | 30.23 |
| Kamal lochan Das | Madhusudan Das | Narayanpur | Baliapal |  |  | N21034'52.70'' | E087016'48.45'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 35 |  |  | 24.85 | 19.58 | 26.92 |
| Raghunath Mohanty | Pitambar Mohanty | Narayanpur | Baliapal | 7381207832 |  | N21034'52.41'' | E087016'40.34'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 35 |  |  | 24.58 | 19.36 | 26.96 |
| Manoranjan Parida | Mukanda Parida | Narayanpur | Baliapal | 9238593940 |  | N21034'52.46'' | E087016'50.22'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.52 | 18.94 | 24.18 |
| Lambodhar Parida | Bikarttan Parida | Narayanpur | Baliapal |  |  | N21034'52.97'' | E087016'52.55'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.63 | 20.79 | 13.66 |
| Jagannath Parida | Bijay Parida | Narayanpur | Baliapal | 7381325282 |  | N21034'52.09'' | E087016'50.33'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 24.35 | 20.12 | 21.02 |
| Binod Bihari Hajira | Daitari Hajira | Narayanpur | Baliapal |  |  | N21034'51.95'' | E087016'5101'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.32 | 18.64 | 19.74 |
| Jayant Kumar Das | Haraprasad Das | Narayanpur | Baliapal |  |  | N21034'51.00'' | E087016'4986'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 24.89 | 18.96 | 31.28 |
| Padmalochan Das | Pitambar Das | Narayanpur | Baliapal | 7873321101 |  | N21034'50.16'' | E08701649.57'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.31 | 19.39 | 15.06 |
| Sudhakar Padhiary | Kartika Padhiary | Narayanpur | Baliapal | 8018886193 |  | N21034'50.44'' | E087016'49.08'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.12 | 19.62 | 17.84 |
| Dhananjay Hajira | Gagan Hajira | Narayanpur | Baliapal | 9583260873 |  | N21034'51.56'' | E087016'48.24'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 27.34 | 20.15 | 35.68 |
| Nimain harichandan Das | Manmath Das | Narayanpur | Baliapal |  |  | N21034'51.65'' | E087016'47.08'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 105 |  |  | 23.64 | 18.63 | 26.89 |
| Bharat Das | Harekrushna Das | Narayanpur | Baliapal |  |  | N21034'51.31'' | E087016'45.68'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 24.51 | 20.62 | 18.87 |
| Umakanta Sahoo | Sadhu Sahoo | Narayanpur | Baliapal |  |  | N21034'50.28'' | E087016'45.67'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 35 |  |  | 22.38 | 19.79 | 13.09 |
| Rabindra Sahoo | Umakanta Sahoo | Narayanpur | Baliapal |  |  | N21034'49.95'' | E087016'44.68'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 23.35 | 20.45 | 14.18 |
| Balaram Hajira | Manmath Hajira | Narayanpur | Baliapal | 9583901717 |  | N21034'51.34'' | E087016'44.23'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 35 |  |  | 24.01 | 19.34 | 24.15 |
| Bijay Kumar Sahoo | Surendra Sahoo | Narayanpur | Baliapal | 8457835028 |  | N21034'51.37'' | E087016'43.32'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.37 | 19.52 | 14.60 |
| Sankarsan Sahoo | Surendra Sahoo | Narayanpur | Baliapal | 7438020890 |  | N21034'49.93'' | E087016'43.58'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 23.85 | 20.61 | 15.72 |
| Kartika Ranjit | Barendra Ranjit | Kaliakhia | Baliapal | 7873020269 |  | N21034'52.66'' | E087016'50.96'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.86 | 20.46 | 11.73 |
| Pratap Keshari Hajira | Dayanidhi | Narayanpur | Baliapal | 7873175253 |  | N21034'50.03'' | E08701638.87'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 23.01 | 19.69 | 16.86 |
| Sitanath Panda | Lambodar Panda | Kaliakhia | Baliapal | 8908810867 |  | N21034'48.22'' | E087016'39.04'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.58 | 18.72 | 25.96 |
| Sambhunath Das | Chandramohan Das | Narayanpur | Baliapal |  |  | N21034'46.41'' | E087016'39.64'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.36 | 19.85 | 12.64 |
| Nagendra Pujari | Nityananda | Kaliakhia | Baliapal | 8018424012 |  | N21034'43.50'' | E087016'40.25'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 23.11 | 20.42 | 13.17 |
| Rabindra Padhiary | Damodar Padhiary | Narayanpur | Baliapal | 8594853115 |  | N21034'44.01'' | E087016'39.76'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 23.46 | 20.49 | 14.49 |
| Basanta Kumar Das | Manmath Das | Narayanpur | Baliapal |  |  | N21034'44.85'' | E087016'38.82'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 105 |  |  | 23.74 | 20.98 | 13.16 |
| Gopal Chandra Das | Gangadhar Das | Narayanpur | Baliapal |  |  | N21034'44.80'' | E087016'37.85'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.56 | 19.35 | 21.76 |
| Sambhunath Samantray | Bishnupada Samantray | Narayanpur | Baliapal |  |  | N21034'46.16'' | E087016'37.05'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 24.56 | 19.65 | 24.99 |
| Nilambar Das | Kartika Das | Narayanpur | Baliapal |  |  | N21034'47.56'' | E087016'36.15'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 35 |  |  | 22.62 | 18.28 | 23.74 |
| Narayan Sahu | Anadi Sahu | Narayanpur | Baliapal | 7008730855 |  | N21034'47.95'' | E087016'36.00'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.32 | 19.25 | 15.95 |
| Laxmidhar Sahu | Ananta Sahu | Narayanpur | Baliapal | 7750007767 |  | N21034'48.43'' | E087016'35.05'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 35 |  |  | 22.26 | 19.76 | 12.65 |
| Benudhar Das | Brahamanda Das | Narayanpur | Baliapal |  |  | N21034'52.06'' | E08701645.74'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.84 | 20.82 | 14.51 |
| Rabindra nath Das | Manogobinda Das | Narayanpur | Baliapal | 9583940889 |  | N21034'32.50'' | E087016'40.50'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 105 |  |  | 22.37 | 19.37 | 15.49 |
| Ramachandra Hajira | Lachhaman Hajira | Narayanpur | Baliapal | 9583759215 |  | N21034'31.41'' | E087016'41.41'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.85 | 18.82 | 21.41 |
| Sanjay Kumar Majhi | Ramanath Majhi | Narayanpur | Baliapal | 9583804393 |  | N21034'49.26'' | E087016'21.62'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.02 | 18.67 | 17.94 |
| Subash Ch. Parida | Netrananda Parida | Narayanpur | Baliapal |  |  | N21034'49.87'' | E087016'28.67'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 105 |  |  | 22.24 | 19.57 | 13.64 |
| Gadadhar Parida | Hrudananda Parida | Narayanpur | Baliapal |  |  | N21034'50.34'' | E087016'34.08'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 23.51 | 20.34 | 15.59 |
| Ratnakar Das | Sadananda Das | Narayanpur | Baliapal |  |  | N21034'50.44'' | E087016'33.65'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.34 | 19.68 | 13.52 |
| Banamali Parida | Hrudananda Parida | Narayanpur | Baliapal |  |  | N21034'48.84'' | E087016'27.81'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 105 |  |  | 23.02 | 19.80 | 16.26 |
| Pradip Padhiary | Maheswar Padhiary | Narayanpur | Baliapal | 9078601050 |  | N21034'49.24'' | E087016'27.30'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 22.11 | 19.15 | 15.46 |
| Rabindra Majhi | Madhusudan Majhi | Narayanpur | Baliapal |  |  | N21034'50.61'' | E087016'27.35'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.47 | 19.38 | 15.94 |
| Sarat Samantaray | Mayadhar Samantaray | Betagadia | Baliapal |  |  | N21034'44.54'' | E087016'28.35'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 23.35 | 19.45 | 20.05 |
| Rabindra Pujhari | Nityananda Phjhari | Kalikia | Baliapal | 7377425403 |  | N21034'43.55'' | E087016'27.33'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 35 |  |  | 23.05 | 20.72 | 11.25 |
| Chakradhar Parida | Hrudananda Parida | Naryanpur | Baliapal | 9583469955 |  | N21034'40.51'' | E087016'28.30'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 24.31 | 19.65 | 23.72 |
| Haripada Parida | Gayadhar Parida | Naryanpur | Baliapal |  |  | N21034'41.50'' | E087016'30.35'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 25.25 | 21.04 | 20.01 |
| Budhadev Das | Jadhunath Das | Naryanpur | Baliapal | 9583414131 |  | N21034'40.50'' | E087016'31.34'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.84 | 19.06 | 19.83 |
| Gouranga Parida | Mukanda Parida | Naryanpur | Baliapal |  |  | N21034'42.55'' | E087016'28.35'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 23.36 | 20.67 | 13.01 |
| Rajib Jena | Laxmidhar Jena | Betagadia | Baliapal |  |  | N21034'48.59'' | E087016'29.33'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.45 | 19.23 | 16.74 |
| Mrutunjaya Hajira | Gagan Hajira | Narayanpur | Baliapal | 9237437887 |  | N21034'40.58'' | E087016'27.35'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 30.11 | 20.32 | 48.18 |
| Prahallad Hajira | Gangadhar Hajira | Narayanpur | Baliapal | 9776539740 |  | N21034'43.55'' | E087016'31.45'' | Yes | 20-40-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.85 | 18.95 | 20.58 |
| Sudanidhi Parida | Charauchandra Parida | Narayanpur | Baliapal |  |  | N21034'41.59'' | E087016'28.33'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 35 |  |  | 23.28 | 19.62 | 18.65 |
| Narayan Hajira | Manmath Hajira | Narayanpur | Baliapal | 7558541779 |  | N21034'44.55'' | E087016'29.31'' | Yes | 20-30-40-25-1 |  | Kadiri-6 | 70 |  |  | 22.87 | 19.02 | 20.24 |
| Jayant Kumar Mohanty | Pitambar Mohanty | Narayanpur | Baliapal |  |  | N21034'41.59'' | E087016'28.35'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 35 |  |  | 23.49 | 19.25 | 22.03 |
| Somaya Ranjan Parida | Santosh Parida | Narayanpur | Baliapal |  |  | N21034'40.54'' | E087016'27.34'' | Yes | 20-40-40-0-1 |  | Kadiri-6 | 70 |  |  | 23.84 | 20.36 | 17.09 |
| Bhanu Charan Parida | Gobinda Parida | Narayanpur | Baliapal |  |  | N21034'43.59'' | E087016'30.35'' | Yes | 20-30-40-25-1 |  | Kadir-6 | 70 |  |  | 23.91 | 19.64 | 21.74 |

**D) Crop 4: Toria**

**\* Details of technology:**

* Foundation Class Seed of Toria var. Anuradha @ 8kg/ha
* Seed Treatment With Vitavax Power@ 2g/kg of seed
* Line sowing (30cmx10cm)
* Foliar spray of Borax (10.5% Boron) @ 2.5g per water at flowering stage
* Foliar spraying of Thiamethoxam 25%WG@ 1g per 3liter water at pod formation stage for Aphid Management
* Foliar spraying of Triazophos 40%EC @ 2ml per litre water at pod formation stage for sawfly & Spodoptera pod borer Management
* Foliar spraying of Thodicarb75%WP@ 1.5g per litre water at pod formation stage for sawfly & Spodoptera pod borer Management
* Use of pheromone trap@ 20nos./ha for monitoring of Spodoptera population

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of farmer | Father’s name | Village | Block | Mobile No. | Email ID | GPS Coordinates (DDMMSS format) | | Soil testing done (Yes/No) | Recommendations based on soil test value | Brief technology intervention | Variety | Seed quantity used  (kg) | Demo. Yield (q/ha) | | | Yield of local check q/ha | % increase |
|  |  |  |  |  |  | Latitude | Longitude |  | **N-P2O5-K2O-S-B** | \* |  |  | H | L | A |  |  |
| Kalicharan Behera | Kati Behera | Kulhachad | Baliapal | 8895859245 |  | **N21021'31.66''** | **E087020'07.65''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 6.7 | 5.9 | 13.6 |
| Amulya Kumar Behera | Bhagaban Behera | Kulhachad | Baliapal | 9776044724 |  | **N21021'15.88''** | **E087020'16.15''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.1 | 6.1 | 16.4 |
| Bikram Behera | Ramanath Behera | Kulhachad | Baliapal | 9583268031 |  | **N21021'54.61''** | **E087020'02.65''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 8.2 | 5.9 | 39.0 |
| Arun Kumar Sahoo | Paramananda | Kulhachad | Baliapal | 7894457503 |  | **N21021'18.58''** | **E087020'05.12''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 9.8 | 6.6 | 48.5 |
| Sanjay Sahoo | Rajanikant | Kulhachad | Baliapal | 9776376447 |  | **N21037'33.21''** | **E087020'03.18''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 8.5 | 6.2 | 37.1 |
| Jagannath Barik | Iswar Barik | Kulhachad | Baliapal | 9437958241 |  | **N21037'32.21''** | **E087020'04.06''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 7.4 | 5.9 | 25.4 |
| Paresh ch.Giri | Sibanarayan | Kulhachad | Baliapal |  |  | **N21037'23.54''** | **E087020'03.98''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 6.8 | 6.3 | 7.9 |
| Abinash Ch. Giri | Padmalochan | Kulhachad | Baliapal | 9938450452 |  | **N21037'32.21''** | **E087020'04.06''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.6 | 6.6 | 30.3 |
| Sanjay Sahoo | Gadadhar | Kulhachad | Baliapal |  |  | **N21037'32.87''** | **E087020'04.45''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 6.8 | 5.9 | 15.3 |
| Chittaranjan Jena | Gouramohan | Kulhachad | Baliapal | 9668180381 |  | **N21037'32.65''** | **E087020'04.17''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 7.3 | 6.5 | 12.3 |
| Sushil Jena | Khagendra | Kulhachad | Baliapal |  |  | **N21037'32.08''** | **E087021'03.09''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.1 | 6.3 | 28.6 |
| Ajay Senapati | Bhanu | Kulhachad | Baliapal |  |  | **N21037'32.98''** | **E087020'04.67''** | Yes | 60-30-30-25-1.0 |  | Anuradha | 3 |  |  | 6.9 | 5.9 | 16.9 |
| Narayan Giri | Pravakar | Kulhachad | Baliapal |  |  | **N21037'33.56''** | **E087020'03.58''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.7 | 6.5 | 33.8 |
| Gokul Sahoo | Banamali | Kulhachad | Baliapal | 8338841944 |  | **N21037'33.14''** | **E087020'03.27''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 7.6 | 6.6 | 15.2 |
| Dayanidhi Patra | Kartika | Kulhachad | Baliapal |  |  | **N21037'33.45''** | **E087020'03.34''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 7.1 | 5.9 | 20.3 |
| Sudhir Ku. Jena | Panchanan | Kulhachad | Baliapal | 9776329928 |  | **N21037'33.67''** | **E087020'03.39''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 6.7 | 6.3 | 6.3 |
| Surendra Khatua | Srikant | Kulhachad | Baliapal |  |  | **N21037'32.58''** | **E087020'03.94''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 2.4 |  |  | 8.9 | 5.9 | 50.8 |
| Kalicharan Khatua | Ananta Khatua | Kulhachad | Baliapal |  |  | **N21037'33.56''** | **E087020'03.21''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 2.4 |  |  | 6.8 | 6.6 | 3.0 |
| Nirmalya Jena | Khagendra Jena | Kulhachad | Baliapal | 7381552632 |  | **N21037'33.67''** | **E087020'03.46''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.7 | 6.4 | 20.3 |
| Suresh Ch.Giri | Shiba Giri | Kulhachad | Baliapal | 8895999125 |  | **N21037'33.99''** | **E087020'03.81''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 8.5 | 5.9 | 44.1 |
| Sudarsan Sahoo | Rajani Sahoo | Kulhachad | Baliapal | 8457823343 |  | **N21037'31.40''** | **E087020'05.86''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 6.9 | 6.5 | 6.2 |
| Srinibas Sahoo | Madhu Sahoo | Kulhachad | Baliapal | 8599833162 |  | **N21037'31.55''** | **E087020'05.94''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 8.3 | 6.1 | 36.1 |
| Chittaran Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal |  |  | **N21037'31.35''** | **E087020'05.72''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.3 | 6.6 | 10.6 |
| Amar Behera | Mahani Behera | Kulhachad | Baliapal |  |  | **N21037'31.12''** | **E087020'05.37''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.2 | 5.9 | 39.0 |
| Amulya Pal | Jatindra Pal | Kulhachad | Baliapal |  |  | **N21037'31.07''** | **E087020'05.24''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 6.8 | 6.3 | 7.9 |
| Kali Charan Sahoo | Narendra Sahoo | Kulhachad | Baliapal |  |  | **N21037'31.57''** | **E087020'05.94''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.8 | 6.5 | 20.0 |
| Barendra Sahoo | Ponti Sahoo | Kulhachad | Baliapal |  |  | **N21056'32.24''** | **E087020'07.65''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.8 |  |  | 8.6 | 5.9 | 45.8 |
| Baikunta Sahoo | Banamali Sahoo | Kulhachad | Baliapal | 7750928848 |  | **N21056'32.31''** | **E087020'07.72''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 6.9 | 6.4 | 7.8 |
| Sanjay Bhuyan | Kalicharan | Kulhachad | Baliapal | 9776378347 |  | **N21056'32.07''** | **E087020'07.54''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 7.9 | 6.3 | 25.4 |
| Nilakantha Sahoo | Banamali Sahoo | Kulhachad | Baliapal | 9583212922 |  | **N21056'32.65''** | **E087020'07.81''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 6.8 | 5.9 | 15.3 |
| Jayanta Sahoo | Ghanasyama Sahoo | Kulhachad | Baliapal | 7873428973 |  | **N21056'32.95''** | **E087020'07.94''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 8.6 | 6.5 | 32.3 |
| Harendra Sahoo | Ponticharan Sahoo | Kulhachad | Baliapal | 9583978807 |  | **N21056'32.39''** | **E087020'07.77''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 7.6 | 6.3 | 20.6 |
| Jyotrimay Behera | Chakradhar Behera | Kulhachad | Baliapal | 9439845042 |  | **N21056'32.61''** | **E087020'07.80''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.2 |  |  | 6.2 | 6.1 | 1.6 |
| Manogobinda Behera | Ramanath Behera | Kulhachad | Baliapal | 7873326557 |  | **N21037'31.25''** | **E087020'05.74''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.9 | 5.9 | 50.8 |
| Gouramohan Behera | Prasanna Behera | Kulhachad | Baliapal | 9776044724 |  | **N21037'31.14''** | **E087020'05.61''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.8 | 6.2 | 25.8 |
| SK Anwar | SK Jabar | Kulhachad | Baliapal | 8018094847 |  | **N21037'31.07''** | **E087020'05.52''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 2.4 |  |  | 6.9 | 6.6 | 4.5 |
| Laxman Dalai | Srikant Dalai | Kulhachad | Baliapal | 8658949658 |  | **N21037'31.34''** | **E087020'05.87''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 2.4 |  |  | 7.9 | 6.3 | 25.4 |
| Ramanath Dalai | Gajendra Dalai | Kulhachad | Baliapal |  |  | **N21037'31.54''** | **E087020'05.69''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 8.7 | 5.9 | 47.5 |
| Ramanath Dalai | Durgacharan Dalai | Kulhachad | Baliapal | 7391519946 |  | **N21037'31.51''** | **E087020'05.67''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 6.7 | 6.4 | 4.7 |
| Manmath Dalai | Raghunath Dalai | Kulhachad | Baliapal | 8457942917 |  | **N23012'38.55''** | **E087020'07.22''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 7.6 | 6.1 | 24.6 |
| Niranjan Dalai | Krutibash Dalai | Kulhachad | Baliapal | 7608062287 |  | **N23012'38.47''** | **E087020'07.18''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 2.4 |  |  | 8.4 | 5.9 | 42.4 |
| Rajkishore jena | kandarpa jena | Kulhachad | Baliapal | 9583764063 |  | **N23012'38.62''** | **E087020'07.34''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 6.8 | 6.3 | 7.9 |
| Badal Dalai | Khetramohan Dalai | Kulhachad | Baliapal |  |  | **N23012'38.87''** | **E087020'07.46''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.6 | 6.5 | 32.3 |
| Surendra Sahoo | Madhu Sahoo | Kulhachad | Baliapal | 9776897510 |  | **N23012'38.11''** | **E087020'06.95''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 7.5 | 6.6 | 13.6 |
| Amulya Sahoo | Bidyadhar Sahoo | Kulhachad | Baliapal | 8337913189 |  | **N23012'38.05''** | **E087020'07.17''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 3 |  |  | 6.7 | 5.9 | 13.6 |
| Ratnakar Dalai | Anadi Dalai | Kulhachad | Baliapal | 8337913305 |  | **N23012'37.54''** | **E087020'17.54''** | Yes | 60-22.5-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.2 | 6.6 | 9.1 |
| Kailash Behera | Ramchandra Behera | Haripur | Baliapal | 9658583308 |  | N21010'26.03'' | E086041'21.42'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 8.5 | 5.9 | 44.1 |
| Banamali Behera | Ramachandra Behera | Haripur | Baliapal | 8658317390 |  | N21010'25.08'' | E086041'21.05'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 6.8 | 6.2 | 9.7 |
| Jayram Pradhan | Goura Pradhan | Haripu | Baliapal | 9658307439 |  | N21010'25.87'' | E086041'21.48'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 6 |  |  | 7.3 | 6.5 | 12.3 |
| Bhagirathi Panigrahi | Dinabandhu Panigra | Haripur | Baliapal | 7504230080 |  | N21010'26.13'' | E086041'21.52'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 8.4 | 6.1 | 37.7 |
| Ekadasi Behera | Raj Behera | Haripur | Baliapal | 9937233110 |  | N21010'25.23'' | E086041'21.32'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 6.9 | 5.9 | 16.9 |
| Brundaban Panigrahi | Bhagaban Behera | Haripur | Baliapal |  |  | N21010'27.14'' | E086041'20.40'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 7.5 | 6.5 | 15.4 |
| Sanatan Behera | Satrughna Behera | Haripur | Baliapal | 9090660615 |  | N21010'25.23'' | E086041'21.31'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 8.6 | 6.3 | 36.5 |
| Kusasan Behera | Rama Ch.Behera | Haripur | Baliapal |  |  | N21010'16.45'' | E086041'20.38'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 6.8 | 6.6 | 3.0 |
| Ramakanta Sahu | Baidhar Sahu | Haripur | Baliapal | 7540968801 |  | N21010'26.53'' | E086041'21.57'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 8.1 | 5.9 | 37.3 |
| Ramakrushna Behera | Satrughna Behera | Haripur | Baliapal | 9777803386 |  | N21010'27.12'' | E086041'21.22'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 1.5 |  |  | 7.6 | 6.4 | 18.8 |
| Pramod Samal | Guruprasad Samal | Haripur | Baliapal | 9178987421 |  | N21010'27.53'' | E086041'21.18'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 6 |  |  | 8.5 | 6.2 | 37.1 |
| Banamali Samal | Ramachandra Samal | Haripur | Baliapal | 9668721928 |  | N21010'27.57'' | E086041'21.24'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 7.9 | 5.9 | 33.9 |
| Dayanidhi Samal | Rama Ch. Samal | Haripur | Baliapal |  |  | N21010'28.53'' | E086041'21.32'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 6.7 | 6.5 | 3.1 |
| Rabinaryan Panigrahi | Shyam Sundar Panigrahi | Haripur | Baliapal | 9692076977 |  | N21010'28.65'' | E086041'21.69'' | Yes | 45-30-30-25-1.0 |  | Anuradha | 3 |  |  | 8.8 | 6.1 | 44.3 |

* 1. **Achievements on Training (Including the sponsored and FLD training programmes):**

1. **Farmers and farm women (on campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 21 | 0 | 21 | 9 | 0 | | 9 | 0 | 0 | 0 | 30 | 0 | 30 |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any Goat farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Location specific Drudgery reduction technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VI. Agril. Engineering** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| XI Agro-forestry |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. Specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | 1 | 21 | 0 | 21 | 9 | | 0 | 9 | 0 | 0 | 0 | 30 | 0 | 30 |

**B) Rural Youth (on campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| Mushroom Production | 3 | 24 | 23 | 47 | 5 | | 2 | 7 | 2 | 4 | 6 | 31 | 29 | 60 |
| Bee-keeping |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-culture | 01 | 16 | 0 | 16 | 04 | | 0 | 04 | 0 | 0 | 0 | 20 | 0 | 20 |
| Sericulture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**C) Extension Personnel (on campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| Productivity enhancement in field crops | 2 | 20 | 8 | 28 | 2 | | 0 | 2 | 2 | 3 | 5 | 24 | 11 | 35 |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 | 9 | 1 | 10 | 6 | | 0 | 6 | 4 | 0 | 4 | 19 | 1 | 20 |
| Integrated Nutrient management | 2 | 23 | 03 | 26 | 01 | | 0 | 01 | 07 | 01 | 08 | 31 | 04 | 35 |
| Rejuvenation of old orchards |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs | 1 | 16 | 0 | 0 | 0 | | 0 | 0 | 1 | 3 | 4 | 17 | 3 | 20 |
| TOTAL | 4 | 40 | 23 | 63 | 9 | | 2 | 11 | 2 | 4 | 6 | 51 | 29 | 80 |

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

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management | 3 | 25 | 0 | 25 | 31 | 4 | | 35 | 12 | 18 | 30 | 68 | 22 | 90 |
| Resource Conservation Technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cropping Systems | 2 | 25 | 0 | 25 | 5 | 0 | | 5 | 30 | 0 | 30 | 60 | 0 | 60 |
| Crop Diversification |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 25 | 0 | 25 | 5 | 0 | | 5 | 0 | 0 | 0 | 30 | 0 | 30 |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 02 | 29 | 0 | 29 | 20 | 11 | | 31 | 0 | 0 | 0 | 49 | 11 | 60 |
| Production and use of organic inputs | 01 | 11 | 12 | 23 | 03 | 04 | | 07 | 0 | 0 | 0 | 14 | 16 | 30 |
| Management of Problematic soils | 01 | 24 | 0 | 24 | 05 | 0 | | 05 | 01 | 0 | 01 | 30 | 0 | 30 |
| Micro nutrient deficiency in crops | 02 | 51 | 5 | 56 | 4 | 0 | | 4 | 0 | 0 | 0 | 55 | 5 | 60 |
| Nutrient Use Efficiency | 1 | 0 | 0 | 0 | 19 | 11 | | 30 | 0 | 0 | 0 | 19 | 11 | 30 |
| Soil and Water Testing | 1 | 21 | 3 | 24 | 4 | 2 | | 6 | 0 | 0 | 0 | 25 | 5 | 30 |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any Goat farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 1 | 4 | 15 | 19 | 0 | 11 | | 11 | 0 | 0 | 0 | 4 | 26 | 30 |
| Design and development of low/minimum cost diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development | 2 | 54 | 0 | 54 | 5 | 0 | | 5 | 1 | 0 | 1 | 60 | 0 | 60 |
| Value addition | 1 | 0 | 18 | 18 | 0 | 12 | | 12 | 0 | 0 | 0 | 0 | 30 | 30 |
| Income generation activities for empowerment of rural Women | 4 | 0 | 33 | 33 | 0 | 57 | | 57 | 0 | 30 | 30 | 0 | 120 | 120 |
| Location specific Drudgery reduction technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VI. Agril. Engineering** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 6 | 98 | 26 | 124 | 39 | 17 | | 56 | 0 | 0 | 0 | 137 | 43 | 180 |
| Integrated Disease Management | 1 | 16 | 3 | 19 | 10 | 11 | | 21 | 0 | 0 | 0 | 26 | 4 | 30 |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| XI Agro-forestry |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies | 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 17 | 13 | 30 | 17 | 13 | 30 |
| Nursery management | 1 | 0 | 0 | 0 | 14 | | 16 | 30 | 0 | 0 | 0 | 14 | 16 | 30 |
| Integrated Farming Systems | 2 | 47 | 3 | 50 | 9 | | 0 | 9 | 1 | 0 | 1 | 57 | 3 | 60 |
| **XII. Others (Pl. Specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **33** | **430** | **118** | **548** | **173** | | **156** | **329** | **62** | **61** | **123** | **665** | **325** | **990** |

**E) RURAL YOUTH (Off Campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| Mushroom Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bee-keeping |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**F) Extension Personnel (Off Campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | ST | | |
|  | M | F | T | M | F | T | M | F | T | M | F | T |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Crop intensification |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

**i. Farmers & Farm Women**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management | 3 | 25 | 0 | 25 | 31 | 4 | | 35 | 12 | 18 | 30 | 68 | 22 | 90 |
| Resource Conservation Technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cropping Systems | 2 | 25 | 0 | 25 | 5 | 0 | | 5 | 30 | 0 | 30 | 60 | 0 | 60 |
| Crop Diversification |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management | 2 | 46 | 0 | 46 | 14 | 0 | | 14 | 0 | 0 | 0 | 60 | 0 | 60 |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Exotic vegetables like Broccoli |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Goat farming) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 1 | 4 | 15 | 19 | 0 | 11 | | 11 | 0 | 0 | 0 | 4 | 26 | 30 |
| Design and development of low/minimum cost diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development | 2 | 54 | 0 | 54 | 5 | 0 | | 5 | 1 | 0 | 1 | 60 | 0 | 60 |
| Value addition | 1 | 0 | 18 | 18 | 0 | 12 | | 12 | 0 | 0 | 0 | 0 | 30 | 30 |
| Income generation activities for empowerment of rural Women | 4 | 0 | 33 | 33 | 0 | 57 | | 57 | 0 | 30 | 30 | 0 | 120 | 120 |
| Location specific Dr.udgery reduction technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VI. Agril. Engineering** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 6 | 98 | 26 | 124 | 39 | 17 | | 56 | 0 | 0 | 0 | 137 | 43 | 180 |
| Integrated Disease Management | 1 | 16 | 3 | 19 | 10 | 11 | | 21 | 0 | 0 | 0 | 26 | 4 | 30 |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XI Agro-forestry** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies | 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 17 | 13 | 30 | 17 | 13 | 30 |
| Nursery management | 1 | 0 | 0 | 0 | 14 | | 16 | 30 | 0 | 0 | 0 | 14 | 16 | 30 |
| Integrated Farming Systems | 2 | 47 | 3 | 50 | 9 | | 0 | 9 | 1 | 0 | 1 | 57 | 3 | 60 |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. Specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | 26 | 315 | 98 | 413 | 127 | | 128 | 255 | 61 | 61 | 122 | 503 | 277 | 780 |

**ii. RURAL YOUTH (On and Off Campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | ST | | |
|  | M | F | T | M | F | T | M | F | T | M | F | | T |
| Mushroom Production | 3 | 24 | 23 | 47 | 5 | 2 | 7 | 2 | 4 | 6 | 31 | | 29 | 60 |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Vermi-culture | 01 | 16 | 0 | 16 | 04 | 0 | 04 | 0 | 0 | 0 | 20 | | 0 | 20 |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Para vets |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Para extension workers |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Enterprise development |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Others if any (ICT application in agriculture) |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| TOTAL | 4 | 40 | 23 | 63 | 9 | 2 | 11 | 2 | 4 | 6 | 51 | | 29 | 80 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | | |
| Other | | | SC | | | ST | | |
|  | M | F | T | M | F | T | M | F | T | M | F | | T |
| Productivity enhancement in field crops | 2 | 20 | 8 | 28 | 2 | 0 | 2 | 2 | 3 | 5 | 24 | | 11 | 35 |
| Integrated Pest Management | 1 | 9 | 1 | 10 | 6 | 0 | 6 | 4 | 0 | 4 | 19 | | 1 | 20 |
| Integrated Nutrient management | 2 | 23 | 03 | 26 | 01 | 0 | 01 | 07 | 01 | 08 | 31 | | 04 | 35 |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Household food security |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Crop intensification |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Others if any |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| TOTAL | 5 | 52 | 12 | 64 | 9 | 0 | 9 | 13 | 4 | 17 | 74 | | 16 | 90 |

## Please furnish the details of training programmes as Annexure in the proforma given below

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Clientele** | **Title of the training programme** | **Duration in days** | **Venue (Off / On Campus)** | **Number of participants** | | | **Number of SC/ST** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Agronomy | FW | Integrated nutrient management in rice | 1 | On campus | 30 | 0 | 30 | 9 | 0 | 9 |
| Agronomy | FW | Cultivation of toria as paira cropping | 1 | Off campus | 30 | 0 | 30 | 30 | 0 | 30 |
| Agronomy | FW | Cropping intensification in rice fallow area | 1 | Off campus | 30 | 0 | 30 | 5 | 0 | 5 |
| Agronomy | FW | Integrated weed management in groundnut | 1 | Off campus | 30 | 0 | 30 | 5 | 0 | 5 |
| Agronomy | FW | Recent advances in pulse production technology | 1 | Off campus | 30 | 0 | 30 | 5 | 0 | 5 |
| Agronomy | FW | Integrated weed management in transplanted rice | 1 | Off campus | 12 | 18 | 30 | 12 | 18 | 30 |
| Agronomy | FW | Integrated weed management in pulses | 1 | Off campus | 26 | 4 | 30 | 26 | 4 | 30 |
| Agronomy | IS | Recent advances in weed control | 2 | On campus | 16 | 4 | 20 | 4 | 0 | 4 |
| Home Sc. | FW | Rearing of poultry breed in backyard | 1 | Off campus | 0 | 30 | 30 | 0 | 6 | 6 |
| Home Sc. | FW | Rearing of poultry breed in backyard | 1 | Off campus | 0 | 30 | 30 | 0 | 30 | 30 |
| Home Sc. | FW | Health care of backyard poultry | 1 | Off campus | 0 | 30 | 30 | 0 | 21 | 21 |
| Home Sc. | FW | Cultivation of Oyster mushroom | 1 | Off campus | 30 | 0 | 30 | 3 | 0 | 3 |
| Home Sc. | FW | Value added product of milk | 1 | Off campus | 0 | 30 | 30 | 0 | 12 | 12 |
| Home Sc. | FW | Kitchen gardening for nutritional security | 1 | Off campus | 4 | 26 | 30 | 0 | 11 | 11 |
| Home Sc. | FW | Oyster mushroom cultivation | 1 | Off campus | 30 | 0 | 30 | 3 | 0 | 3 |
| Home Sc. | FW | Backyard rearing of poultry breed Nirbhik and Kaveri | 1 | Off campus | 0 | 30 | 30 | 0 | 30 | 30 |
| Home Sc. | IS | Income generating activities for WSHGs | 2 | On campus | 17 | 3 | 20 | 0 | 0 | 0 |
| Home Sc. | RY | Mushroom cultivation | 4 | On campus | 7 | 13 | 20 | 3 | 3 | 6 |
| Home Sc. | RY | Mushroom cultivation | 4 | On campus | 9 | 11 | 20 | 1 | 1 | 2 |
| Home Sc. | RY | Mushroom cultivation | 4 | On campus | 15 | 5 | 20 | 3 | 2 | 5 |
| Soil Sc. | FW | Importance of soil testing and method of soil sample collection | 1 | Off campus | 25 | 5 | 30 | 4 | 2 | 6 |
| Soil Sc. | FW | Micro and secondary nutrient application in transplanted rice | 1 | Off campus | 28 | 2 | 30 | 3 | 0 | 3 |
| Soil Sc. | FW | Use of LCC for nutrient management in rice | 1 | Off campus | 19 | 11 | 30 | 19 | 11 | 30 |
| Soil Sc. | FW | Integrated nutrient management in pulse crops | 1 | Off campus | 19 | 11 | 30 | 19 | 11 | 30 |
| Soil Sc. | FW | Integrated nutrient management in beetlevine | 1 | Off campus | 30 | 0 | 30 | 1 | 0 | 1 |
| Soil Sc. | FW | Management of acid soils | 1 | Off campus | 30 | 0 | 30 | 6 | 0 | 6 |
| Soil Sc. | FW | Use of bio-fertilizers in vegetable crops | 1 | Off campus | 14 | 16 | 30 | 3 | 4 | 7 |
| Soil Sc. | FW | Use of micronutrients in vegetable crops | 1 | Off campus | 27 | 3 | 30 | 1 | 0 | 1 |
| Soil Sc. | IS | Site specific nutrient management | 2 | On campus | 14 | 1 | 15 | 3 | 0 | 3 |
| Soil Sc. | IS | Use of GIS and GPS in soil resource mapping | 2 | On campus | 17 | 3 | 20 | 5 | 1 | 6 |
| Soil Sc. | RY | Techniques of vermiculture and vermicomposting | 3 | On campus | 20 | 0 | 20 | 4 | 0 | 4 |
| Plant protection | FW | Integrated management of sheath blight in paddy | 1 | Off campus | 26 | 4 | 30 | 10 | 1 | 11 |
| Plant protection | FW | Integrated management of chilli trips | 1 | Off campus | 23 | 7 | 30 | 23 | 7 | 30 |
| Plant protection | FW | Integrated management of BPH and WBPH in rice | 1 | Off campus | 30 | 0 | 30 | 9 | 0 | 9 |
| Plant protection | FW | Integrated management of nematode in beetlevine | 1 | Off campus | 21 | 9 | 30 | 0 | 0 | 0 |
| Plant protection | FW | Integrated management of okra fruit and shoot borer | 1 | Off campus | 29 | 1 | 30 | 5 | 1 | 6 |
| Plant protection | FW | Integrated management of stem borer in summer paddy | 1 | Off campus | 15 | 15 | 30 | 9 | 9 | 18 |
| Plant protection | FW | Integrated management of fruit fly in bitter gourd | 1 | Off campus | 27 | 3 | 30 | 1 | 0 | 1 |
| Plant protection | IS | Integrated management of pests and diseases in paddy | 2 | On campus | 18 | 2 | 20 | 9 | 1 | 10 |
| Forestry | FW | Tree based integrated farming system | 1 | Off campus | 30 | 0 | 30 | 5 | 0 | 5 |
| Forestry | FW | Nursery technology for raising quality planting material of forest crop | 1 | Off campus | 14 | 16 | 30 | 14 | 16 | 30 |
| Forestry | FW | Raising of root crops under plantation (Agro forestry) | 1 | Off campus | 27 | 3 | 30 | 5 | 0 | 5 |
| Forestry | FW | Kusumi lac cultivation in suitable host tress for income generation | 1 | Off campus | 17 | 13 | 30 | 17 | 13 | 30 |
| Forestry | IS | Profitable lac cultivation | 2 | On campus | 8 | 7 | 15 | 1 | 3 | 4 |

## H) Vocational training programme for Rural Youth

## Details of training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop / Enterprise | Identified Thrust Area | Training title\* | Duration (days) | No. of Participants | | | Self employed after training | | | Number of persons employed else where |
| Male | Female | Total | Type of units | Number  of units | Number of persons employed |  |
| - | - | - | - | - | - | - | - | - | - | - |

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

I) Sponsored Training Programmes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.No | Title | Thematic area | Month | Duration (days) | Client | No. of courses | No. of Participants | | | | | | | | | | Sponsoring Agency |
|  |  | PF/RY/EF | Male | | | Female | | | Total | | | |
|  | Others | SC | ST | Others | SC | ST | Others | SC | ST | Total |  |
| 1. | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nature of Extension Activity | No. of activities | Farmers | | | | Extension Officials | | | Total | | | |
| M | F | T | SC/ ST  (% of total) | Male | Female | Total | Male | Female | | Total |
| Field Day | 4 | 131 | 89 | 220 | 26 | 11 | 5 | 16 | 142 | 94 | 236 | |
| KisanMela | 0 | - | - | - | - | - | - | - | - | - |  | |
| KisanGhosthi | 0 |  |  |  |  |  |  |  |  |  |  | |
| Exhibition | 4 | 590 | 210 | 800 | 23 | - | - | - | - | - | - | |
| Film Show | 44 |  |  |  |  |  |  |  |  |  |  | |
| Method Demonstrations | 25 | 536 | 194 | 730 | 36 | 4 | 11 | 15 | 540 | 205 | 745 | |
| Farmers Seminar | 0 |  |  |  |  |  |  |  |  |  |  | |
| Workshop | 1 | 37 | 0 | 37 | 10 | 7 | 6 | 13 | 44 | 6 | 50 | |
| Group meetings | 26 | 203 | 82 | 285 | 34 | 11 | 24 | 35 | 214 | 106 | 320 | |
| Lectures delivered as resource persons | 31 | 1460 | 90 | 1550 | 26 | 73 | 25 | 98 | 1533 | 115 | 1648 | |
| Advisory Services | 94 | 93466 | 1534 | 7224869 | 32 | 515 | 45 | 560 | 7223850 | 93511 | 7318335 | |
| Scientific visit to farmers field | 315 | 604 | 154 | 758 | 38 | 7 | 6 | 13 | 611 | 160 | 771 | |
| Farmers visit to KVK | 1300 | - | - | - | - | - | - | - | - | - | - | |
| Diagnostic visits | 23 | 85 | 28 | 113 | 14 | 21 | 44 | 65 | 106 | 72 | 178 | |
| Exposure visit | 5 | 30 | 2 | 32 | 0 | 4 | 1 | 5 | 34 | 3 | 37 | |
| Ex-trainees Sammelan | 0 |  |  |  |  |  |  |  |  |  |  | |
| Soil health Camp | 0 |  |  |  |  |  |  |  |  |  |  | |
| Animal Health Camp | 1 | 23 | 16 | 39 | 10 | 4 | 2 | 6 | 27 | 18 | 45 | |
| Agri mobile clinic | 0 | - | - | - | - | - | - | - | - | - | - | |
| Soil test campaigns | 0 | - | - | - | - | - | - | - | - | - | - | |
| Farm Science Club Conveners meet | 0 | - | - | - | - | - | - | - | - | - | - | |
| Self Help Group Conveners meetings | 0 | - | - | - | - | - | - | - | - | - | - | |
| MahilaMandals Conveners meetings | 0 | - | - | - | - | - | - | - | - | - | - | |
| Celebration of important days (specify) | 9 | 1175 | 350 | 1525 | 409 | 102 | 49 | 151 | 1277 | 399 | 1676 | |
| Sankalp Se Siddhi | 1 | 411 | 89 | 500 | 25 | 41 | 9 | 50 | 452 | 98 | 550 | |
| Swatchta Hi Sewa | 0 |  |  |  |  |  |  |  |  |  |  | |
| MahilaKisan Divas | 1 | 0 | 50 | 50 | 100 | 4 | 4 | 8 | 4 | 54 | 58 | |
| World food day | 1 | 38 | 12 | 50 | 100 | 7 | 5 | 12 | 45 | 17 | 62 | |
| Jai Vigyan jai kissan | 1 | 26 | 24 | 50 | 100 | 2 | 2 | 4 | 28 | 26 | 54 | |
| World soil day | 1 | 164 | 36 | 200 | 32 | 33 | 17 | 50 | 197 | 53 | 250 | |
| Agriculture education day | 1 | 64 | 36 | 100 | 12 | 3 | 2 | 5 | 67 | 38 | 105 | |
| World meteorology day | 1 | 50 | 0 | 50 | 10 | 2 | 3 | 5 | 52 | 3 | 55 | |
| Farmer’s day (Akshya tritiya) | 1 | 17 | 8 | 25 | 5 | 3 | 1 | 4 | 20 | 9 | 29 | |
| Web telecast of Krishi Unnati mela | 1 | 405 | 95 | 500 | 25 | 7 | 6 | 13 | 412 | 101 | 513 | |
| Total | 1882 | 99515 | 3099 | 7232483 | 1067 | 861 | 267 | 1128 | 7229655 | 95088 | 7325717 | |

B. **Other Extension activities**

|  |  |
| --- | --- |
| Nature of Extension Activity | No. of activities |
|
| Newspaper coverage | 18 |
| Radio talks | 2 |
| TV talks | 3 |
| Popular articles | 2 |
| Extension Literature | 7 |
| Other, if any | - |

**3.5 a. Production and supply of Technological products**

***Village seed***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Crop | Variety | Quantity of seed  (q) | Value  (Rs) | No. of farmers involved in village seed production | Number of farmers  to whom seed provided |
| - | - | - | - | - | - |

# *KVK farm*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop | Variety | Quantity of seed (q) | Value(Rs) | Number of farmers  to whom seed provided |
| **Cucumber** | Swarna Ageti | 83kg | 1225 | 58 |
| **Pumpkin** | Arka Suryamukhi | 115kg | 805 | 16 |
| **Bitter Gourd** | Pusa Do mausmi | 48kg | 960 | 31 |
| **Sweet corn** | Sugar 75 | 347nos. | 735 | 12 |
| **French bean** | Harsha | 46kg | 690 | 33 |
| **Coriander** | Hisar Sugandha | 166bundle | 830 | 52 |
| **Carrot** | Pusa Kesar | 24kg | 480 | 19 |
| **Radish** | Pusa Chetki | 52kg | 520 | 54 |
| **Bean** | Arka Komal | 36kg | 360 | 30 |
| **Okra** | Surabhi | 65kg | 650 | 45 |
| **Leafy vegetable** | Marsilia | 48kg | 720 | 27 |
| **Mustard** | Anuradha | 13kg | 650 | 3 |
| **Wheat** | Goal | 48kg | 720 | 2 |

# Production of planting materials by the KVKs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop | Variety | No. of planting materials | Value  (Rs) | Number of farmers  to whom planting material provided |
| **Vegetable seedlings** |  | | | |
| Cauliflower | Vaishali | 8275 | 3310 | 66 |
| Cabbage |  |  |  |  |
| Tomato |  |  |  |  |
| Brinjal | Blue Star | 3500 | 1400 | 17 |
| Chilli |  |  |  |  |
| Onion |  |  |  |  |
| Broccoli | Shishir | 3060 | 1220 | 7 |
| **Fruits** |  |  |  |  |
| Mango |  |  |  |  |
| Guava |  |  |  |  |
| Lime |  |  |  |  |
| Papaya | Red Lady | 400 | 13090 | 38 |
| Banana |  |  |  |  |
| Others |  |  |  |  |
| Ornamental plants (Inca) | Inca | 820 | 3280 | 72 |
| Medicinal and Aromatic |  |  |  |  |
| Plantation |  |  |  |  |
| Spices |  |  |  |  |
| Turmeric |  |  |  |  |
| Tuber | Gajendra | 2q | 8000 | 5 |
| Elephant yams |  |  |  |  |
| Fodder crop saplings |  |  |  |  |
| Forest Species |  |  |  |  |
| Others, pl.specify |  |  |  |  |
| Total |  |  | 22300 | 200 |

**Production of Bio-Products**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of product | Quantity | Value (Rs.) | No. of Farmers benefitted |
| Kg |
| Bio-fertilizers | - | - | - |
| Bio-pesticide | - | - | - |
| Bio-fungicide | - | - | - |
| Bio-agents | - | - | - |
| Others please specify. | - | - | - |
| Total | - | - | - |

# Production of livestock materials

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers benefitted |
| Dairy animals |  |  |  |  |
| Cows |  |  |  |  |
| Buffaloes |  |  |  |  |
| Calves |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| Small ruminants |  |  |  |  |
| Sheep |  |  |  |  |
| Goat |  |  |  |  |
| Other, please specify |  |  |  |  |
| Poultry |  |  |  |  |
| Broilers |  |  |  |  |
| Layers |  |  |  |  |
| Duals (broiler and layer) | Rainbow rooster | 2124 | 123273 | 250 |
| Japanese Quail |  |  |  |  |
| Turkey |  |  |  |  |
| Emu |  |  |  |  |
| Ducks |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| Piggery |  |  |  |  |
| Piglet |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| Fisheries |  |  |  |  |
| Indian carp |  |  |  |  |
| Exotic carp |  |  |  |  |
| Mixed carp |  |  |  |  |
| Fish fingerlings |  |  |  |  |
| Spawn |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| Grand Total |  | 2124 | 123273 | 250 |

**3.5. b. Seed Hub Programme-*“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India” – No seed hub at KVK, Balasore***

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Season | Crop | Variety | Production (q) | | | |
| Target | Area sown (ha) | Production | Category of Seed  (F/S, C/S) |
| Kharif 2017 | - | - | - | - | - | - |
| Rabi 2017-18 | - | - | - | - | - | - |
| Summer/Spring 2018 | - | - | - | - | - | - |

iii) Financial Progress

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fund received  (2016-17 and 2017-18) | Expenditure (Rs. in lakhs) | | Unspent balance  (Rs. in lakhs) | Remarks |
| Infrastructure | Revolving fund |
| 2016-17 | - | - | - | - |
| 2017-18 | - | - | - |  |

IV) Infrastructure Development

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Title** | **Author’s name** | **Number** | **Circulation** |
| Research paper | - | - | - | - |
| Seminar/conference/ symposia papers | - | - | - | - |
| Books | - | - | - |  |
| Bulletins | - | - | - |  |
| News letter | Shyamala | KVK, Balasore | 1 | 500 |
| Popular Articles | - | - | - | - |
| Book Chapter | - | - | - | - |
| Extension Pamphlets/ literature | Sweet corn cultivation, mushroom cultivation, value addition of ushroom | KVK, Balasore | 7 | 3500 |
| Technical reports | - | - | - | - |
| Electronic Publication (CD/DVD etc) | Success story | KVK, Balasore | 1 | 1 |
| TOTAL |  |  | 9 | 4001 |

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of programme** | **Name of course** | **Name of KVK personnel and designation** | **Date and Duration** | **Organized by** |
| 1. | Awareness –cum- exposure training on geospatial technology | 1 | P.M. GiriScientist (Agronomy) | 10.10.17-14.10.17 | IMAGE, Bhubaneswar |
| 2. | Preventing Grain losses: Scientific approach | 1 | Dr. G. Sahoo, Plant Protection | 28.10.17-29.10.17 | OUAT, Bhubaneswar |
| 3. | Orientation training.-cum-Refresher course | 1 | M.K. Jena Scientist (Soil Sc)  P.M. Giri Scientist (Agronomy) | 30.01.18 | ICAR-ATARI, Kolkata |
| 4. | Orientation training.-cum-Refresher course | 1 | Dr. S.K. Mohapatra,Sr. Scientist & Head  Dr. G. Sahoo, Scientist (Plant Protection) | 01.02.18 | ICAR-ATARI, Kolkata |
| 5. | Orientation training.-cum-Refresher course | 1 | Dr. Amita rani Patra Scientist (Home Sc.) | 06.02.18 | ICAR-ATARI, Kolkata |
| 6. | Training on “management” | 1 | Dr. S.K. Mohapatra, Sr. Scientist & Head | 05.03.18-09.03.18 | DEE, OUAT, Bhubaneswar |
| 7. | Write-shop for preparation of training manual | 1 | P.M. Giri  Scientist (Agronomy) | 12.3.18-14.3.18 | DEE, OUAT, Bhubaneswar |

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

|  |  |
| --- | --- |
| Name of farmer | Jagabandhu Mohanty |
| Address | At- Tahalia, PO-Tahalia, Block- Remuna, Dist- Balasore |
| Contact details (Phone, mobile, email Id) | 7873732893 |
| Landholding (in ha.) | 2.0 |
| Name and description of the farm/ enterprise | Integrated farming - Rice-Green Gram, Rice-vegetable, Mushroom cultivation, Pisciculture  Stress tolerant HYV rice, line transplanting, Green gram cultivation instead of summer rice, line sowing of green gram, cultivation of high value vegetables like broccoli, INM & IPM, round the cultivation of both paddy straw & oyster under shade-net house |
| Economic impact | Established as adopter of advanced technology  Raised annual income to Rs 3,08,600/- |
| Social impact | Master trainer for mushroom cultivation , Member of mushroom federation, Provides planting materials of cole crops to farmers of Remuna block.His farm is identified by KVK as Exposure Visit Site for other farmers of Balasore district |
| Environmental impact | Recycling of wastes within various components of IFS |
| Horizontal/ Vertical spread | 35nos. of farmers in Remuna, sadar, bahanaga& soro block |

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

**Low cost portable structure for Nursery raising**

A raised nursery bed of size 6ft x 3ft is prepared by using bamboo at a height of 1ft. from the ground level. A white perforated polythene sheet is spread over the bamboo structure. Mixture of soil, compost & sand in 2:1:1 ratio is used to fill up the structure and required amount of fertilizers are applied for better nutrient supply. A temporary roof of 3-4ft. height is prepared with 4pieces of bamboo sticks and polythene is used to protect the seedlings from abnormal rain. Early raising of seedlings for rabi vegetable & flower cultivation can be possible by using this type of raised nursery bed. This can particularly be helpful for the small & marginal farmers under paddy-vegetables cropping system. The seedlings can be transplanted within 5-10days of paddy harvesting which translates to early yield & more profit for the farmer. Also this nursery structure can be transferred to any safe place in case of flood, untimely rain, snowfall.

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

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

b. Give details of organic farming practiced by the farmer

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

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

* PRA, SAC meeting, farmer’s seminar & workshop

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

|  |  |  |
| --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. |
|  | Mridaparikhyak | 2 |
|  | pH meter | 1 |
|  | Electrical conductivity meter | 1 |

3.11.b. Details of samples analyzed so far :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of soil samples analyzed** | | | No. of Farmers | No. of Villages | Amount realized (Rs.) |
| Through mini soil testing kit/labs | Through soil testing laboratory | Total |  |  |  |
| 250 | 600 | 850 | 850 | 30 | - |

3.11. c. Details on World Soil Day

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Activity | No. of Participants | No. of VIPs | Name (s) of VIP(s) | Number of Soil Health Cards distributed | No. of farmers benefitted |
| 01 | * Exhibition * Soil Health card distribution * Awareness on soil testing soil test based fertilizer application * Use of bio-fertilizers * Technological demonstration on organic farming | 450 | 18 | 1. Smt. Sabita Dalai, Chairman, Panchayat Samiti, Jaleswar 2. Smt. Sabitri Das, Member Zilla Parisad R.R.Pur, Jaleswar 3. Smt. Santilata Nath, Panchayat Samiti member, Kotsahi G.P. 4. Smt. Sanjita Senapati, Panchayat Samiti member, R.R.Pur G.P. 5. Sj. Braja Mohan Pradhan, Vice-Chairman, Panchayat Samiti, Jaleswar | 125 | 400 |

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

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

3.13. Technology week celebration

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

3.14. RAWE/ FET programme - is KVK involved? (Yes)

|  |  |
| --- | --- |
| No of student trained | No of days stayed |
| 20 | 45 |

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

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

|  |  |  |
| --- | --- | --- |
| Date | Name of the person | Purpose of visit |
| 16.06.2017 | Prof. S. Pasupalak, Hon’ble VC, OUAT, Bhubaneswar | Monitoring of KVK activity |
| 31.08.2017 | Prof. P. K. Roul, DEE, OUAT, Bhubaneswar | Sankalp se siddhi |
| 31.08.2017 | R. K. Jena, Hon’ble MP, Balasore | Sankalp se siddhi |
| 31.08.2017 | Dr. K. S. Das, Principal Scientist, ATARI-Kolkata | Sankalp se siddhi |
| 31.08.2017 | Aswani Patra, MLA, Jaleawar | Sankalp se siddhi |
| 23.02.2018 | Dr. V. S. Pahil, National consultant, NFSM | Review of CFLD |

1. IMPACT
   1. Impact of KVK activities (Not to be restricted for reporting period).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of specific technology/skill transferred** | **No. of participants** | **% of adoption** | **Change in income (Rs.)** | |
| **Before (Rs./Unit)** | **After (Rs./Unit)** |
| Mushroom cultivation | 60 | 98 | 39,000 | 70,000 |

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

4.2. **Cases of large scale adoption**

(Please furnish detailed information for each case)

|  |  |
| --- | --- |
| Horizontal spread of technologies | |
| **Technology** | **Horizontal spread (ha)** |
| Application of Zinc & Triacontanol in betel vine | 117 |
| Management of Iron toxicity in paddy | 1260 |
| Management of sheath blight in paddy | 780 |
| Backyard rearing of improved poultry breed “Rainbow rooster” | 25nos.of village |

Give information in the same format as in case studies

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

4.4. Details of innovations recorded by the KVK

|  |  |
| --- | --- |
| **Thematic area** | Nursery raising TEchnique |
| **Name of the Innovation** | Low cost portable structure forNursery raising |
| **Details of Innovator** | Jagabandhu Mohanty, Tahalia, Remuna, Balasore |
| **Back ground of innovation** | Raising seedlings for off-season vegetables like broccoli & cauliflower was a problem during pre-rabi & there was a need for a portable nursery bed for raising seedling. |
| **Technology details** | A nursery bed of size 5ft x 3ft is prepared by using bamboo at a height of 1ft. from the ground level. Bamboo sticks are fitted in a crisscross manner using nails. A white perforated polythene sheet is spread over the bamboo structure. Mixture of soil, compost & sand in 2:1:1 ratio is used to fill up the structure and required amount of fertilizers are applied for better nutrient supply. |
| **Practical utility of innovation** | Early raising of seedlings for rabi vegetable & flower cultivation can be possible by using this type of raised nursery bed. This can particularly be helpful for the small & marginal farmers under paddy-vegetables cropping system. The seedlings can be transplanted within 5-6 days of paddy harvesting which translates to early yield & more profit for the farmer. Also this nursery structure can be transferred to any safe place in case of flood, untimely rain, snowfall etc. |

4.5. Details of entrepreneurship development

|  |  |
| --- | --- |
| **Entrepreneurship development** | |
| Name of the enterprise | Mushroom production |
| Name & complete address of the entrepreneur | Bhaskar Patra  Chaumukh, Baliapal, Balasore |
| Role of KVK with quantitative data support: | * Training on Mushroom spawn production from OUAT, BBSR * Training on mushroom cultivation, field visit by scientists of KVK, Balasore, technical support, mushroom growers association facilitated by KVK, Balasore , popularization of spawn among other farmers * Approval of Mushroom Project of five lakh by DDH Balasore |
| Timeline of the entrepreneurship development | * 2014: Paddy straw Mushroom production * 2015: Training on Mushroom Spawn production from OUAT, BBSR * 2015: Mushroom Spawn * 2016: Training from KVK, Balasore * 2017: Started marketing of mushroom at baliapal & kalipada |
| Technical Components of the Enterprise | Mushroom Spawn - 400 bottles/day  Mushroom production 20- 25 bed/day (35 kg mushroom/day) |
| Status of entrepreneur before and after the enterprise | He was earning Rs 8000/- per month & had a bicycle with him for his day to day life. Now he is earning 22000/- per month , has purchased a two wheeler & android mobile phone. He has invested Rs 1,72,000/- to purchase an autoclave for the establishment of spwan production unit. He is atcting as amaster trainer & developed 27 mushroom grawers at Baliapal blcok |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): | Raw material i.e. Straw, wheat, Chalk powder are locally available  Skilled labour availability is a problem at Baliapal  Spawn quality is good & demand is high  Creation of market point at Baliapal and Kalipada for selling of Mushroom  The enterprise is economically viable |
| Horizontal spread of enterprise | * Technical support to 100 nos. of rural youth of Balipal block for Mushroom cultivation. * Supply of Mushroom Spawn bottle to entire Balasore district and parts of Mayurbhanj district. |

4.6. Any other initiative taken by the KVK

5. LINKAGES

* 1. Functional linkage with different organizations

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| Agriculture dept. | BGREI, NFSM, TRFA, Training |
| Horticulture dept. | QPM verification, Training |
| ATMA | Training |
| RSETI | Financial Literacy programme |
| NABARD | Awareness on PMFBY, Credit linkage |
| Reliance foundation | Audio conference , Live TV programme |
| ARM, Baliapal | Nutritional security |

5.2. List of special programmes undertaken during 2017-18by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of the programme/scheme | Purpose of programme | Date/ Month of initiation | Funding agency | Amount (Rs.) |
| - | - | -- | - | - |

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the programme/scheme** | **Purpose of programme** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
| ATMA | Residential Training | 2017-18 | ATMA, Balasore | 1,44,000/- |
| IRRI-OUAT trial | Trial of STRVs | July, 2017 | DEE, OUAT | 33,000/- |

1. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of demo Unit | Year of estt. | Area(Sq.mt) | Details of production | | | Amount (Rs.) | | Remarks |
| Variety/breed | Produce | Qty. | Cost of inputs | Gross income |
| - | - | -- | - | - | - | - | - | - | - |

6.2. Performance of Instructional Farm (Crops)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name  Of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production | | | Amount (Rs.) | | Remarks |
|  |  | Variety | Type of Produce | Qty.(q) | Cost of inputs | Gross income |
| Bitter Gourd | 22.12.17 | 03.03.18 | 0.006 | Pusa do mausmi | Fruit | 0.48 | 220 | 960 |  |
| Pumpkin | 24.1217 | 07.03.18 | 0.007 | Arka suryamukhi | Fruit | 1.15 | 140 | 805 |  |
| Cucumber | 28.12.17 | 20.02.18 | 0.006 | Swarna ageti | Fruit | 0.83 | 320 | 1225 |  |
| Leafy vegetable | 27.12.17 | 21.01.18 | 0.004 | Marselia | Leaves | 0.82 | 200 | 720 |  |
| Sweet corn | 20.11.17 | 02.03.18 | 0.004 | Sugar 74 | Cob | 347nos. | 300 | 735 |  |
| Elephant foot yam | 27.06.17 | 03.01.18 | 0.036 | Gajendra | Tuber | 4.5 | 7500 | 13500 |  |
| Yam | 28.06.17 | 05.01.18 | 0.050 | Shree swahy | Tuber | 6.8 | 12000 | 18720 |  |

* 1. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

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

* 1. Performance of instructional farm (livestock and fisheries production)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name  of the animal / bird / aquatics | Details of production | | | Amount (Rs.) | | Remarks |
| Breed | Type of Produce | Qty. | Cost of inputs | Gross income |
| 1. | Poultry | Rainbow rooster, Kuroiler | 21days old chick | 2060 | 70700 | 109360 |  |

* 1. Utilization of hostel facilities

Accommodation available (No. of beds)

|  |  |  |  |
| --- | --- | --- | --- |
| Months | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
| July | 20 | 4 | - |
| October | 60 | 8 | - |
| December | 35 | 4 | - |
| March | 90 | 9 | - |
| Total : | 205 | 25 | - |

(For whole of the year)

* 1. Utilization of staff quarters

Whether staff quarters has been completed: Yes

No. of staff quarters: 4

Date of completion:

Occupancy details:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Months | Q I | QII | Q III | QIV | Q V | QVI |
| April, 2017-March, 2018 | QI, QII, QIV quarters were alloted & QIII is vacant | | | | | |

1. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

|  |  |  |  |
| --- | --- | --- | --- |
| Bank account | Name of the bank | Location | Account Number |
| Contingency | State bank of India | Baliapal | 11524957372 |
| Revolving fund | UCO bnak | Debhog | 17550200000062 |

* 1. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Released by ICAR | | Expenditure | | Unspent balance as on - |
| Kharif | Rabi | Kharif | Rabi |
| Groundnut, Toria |  | 4,35,000/- |  | 3,19,005/- | 1,15,995 (adjusted in pulse programme) |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Released by ICAR | | Expenditure | | Unspent balance as on 1st April 2013 |
| Kharif | Rabi | Kharif | Rabi |
| Black gram, Green gram |  | 35000 |  | 3,97,890/- | Credit bill – 2,46,895/- outstanding |

7.4. Utilization of KVK funds during the year 2017-18(Not audited)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No. | Particulars | Sanctioned | Released | Expenditure |
| A. Recurring Contingencies | | | | |
| 1 | Pay & Allowances | - | - | With comptroller office |
| 2 | Traveling allowances | 1,25,000/- | 1,25,000/- | 1,25,000/- |
| 3 | Contingencies | | | |
| *A* |  | 12,00,000/- | 11,98,800 | 11,98,800 |
| *B* |  |
| *C* | Sankalp se siddhi | 80,000 | 78,800 | 78,800 |
| *D* |  |
| *E* |  |  |  |  |
| *F* |  |  |  |  |
| *G* |  |  |  |  |
| *H* |  |  |  |  |
| *I* |  |  |  |  |
| *J* | Swachhta Expenditure |  |  | Renovation of 36000/- (exp. From contingency OE head) |
| TOTAL (A) | | 14,05,000 | 14,02,600 | 14,02,600 |
| B. Non-Recurring Contingencies | | | | |
| 1 | Office equipment | 3,00,000/- | 3,00,000/- | 3,00,000/- |
| 2 | Renovation of building | 2,00,000/- | 2,00,000/- | 2,00,000/- |
| TOTAL (B) | | 5,00,000 | 5,00,000 | 5,00,000 |
| C. REVOLVING FUND | | - | - | - |
| GRAND TOTAL (A+B+C) | | **19,05,000** | **19,02,600** | **19,02,600** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Opening balance as on 1st April | Income during the year | Expenditure during the year | Net balance in hand as on 1st April of each year (Kind + cash) |
| 2015-16 | 3,39,167/- | 2,44,232/- | 1,33,599/- | 4,49,800/- |
| 2016-17 | 4,49,800/- | 2,00,650/- | (105995+539455 deposited with DEE, OUAT) | 5000 |
| 2017-18 | 5000 | 4,22,235 (Rs 2,00,000 received from DEE) | 37,817/- | 3,84,418/- |

* 1. (i) Number of SHGs formed by KVKs - 0

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities – 5nos. (Pisciculture, Mushroom)

(iii) Details of marketing channels created for the SHGs – nil

* 1. Joint activity carried out with line departments and ATMA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of activity | Number of activity | Season | With line department | With ATMA | With both |
| BGREI monitoring Programme | 15 | Kharif, 2017 | Agriculture dept. | - | - |
| Resource person for TRFA prog | 6 | Rabi, 2017-18 | Agriculture dept. | - | - |
| DAESI training prog. | 7 | Rabi, 2017-18 | Agriculture dept. | ATMA, Balasore | - |
| E-pest surveillance | 6 | 2017-18 | Agriculture dept. | - | - |

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. *m-Kisan* Portal (National Farmers’ Portal/ SMSPortal)

|  |  |  |
| --- | --- | --- |
| Type of message | No. of messages | No. of farmers covered |
| Crop | 75 | 81140 |
| Livestock | 4 | 81020 |
| Fishery | 3 | 49624 |
| Weather | 6 | 81063 |
| Marketing | 1 | 81027 |
| Awareness | 5 | 81012 |
| Training information | - | - |
| Other | - | - |
| **Total** | 94 | 81140 |

9.4. *KVK* Portal and Mobile App

|  |  |  |
| --- | --- | --- |
| Sl. No. | Particulars | Description |
| 1. | No. of visitors visited the portal | *130* |
| 2. | No. of farmers registered in the portal | *12* |
| 3. | Mobile Apps developed by KVK | *-* |
| 4. | Name of the App | *-* |
| 5. | Language of the App | *-* |
| 6. | Meant for crop/ livestock/ fishery/ others | *-* |
| 7. | No. of times downloaded | *-* |

9.5. a. Observation of Swacha Bharat Programme

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

b. Details of Swachhta activities with expenditure

|  |  |  |
| --- | --- | --- |
| **Activities** | **Number** | **Expenditure (in Rs.)** |
| 1. Digitization of office records/ e-office |  |  |
| 1. Basic maintenance |  |  |
| 1. Sanitation and SBM |  |  |
| 1. Cleaning and beautification of surrounding areas |  |  |
| 1. Vermicomposting/   Composting of biodegradable waste management & other activities on generate of wealth for waste |  |  |
| 1. Used water for agriculture/ horticulture application |  |  |
| 1. Swachhta Awareness at local level |  |  |
| 1. Swachhta Workshops |  |  |
| 1. Swachhta Pledge |  |  |
| 1. Display and Banner |  |  |
| 1. Foster healthy competition |  |  |
| 1. Involvement of print and electronic media |  |  |
| 1. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village) |  |  |
| 1. No of Staff members involved in the activities |  |  |
| 1. No of VIP/VVIPs involved in the activities |  |  |
| 16. Any other specific activity (in details) |  |  |
| **Total** |  |  |

9.6. Observation of National Science day

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

9.7. Programme with Seema SurakshaBal (BSF)

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

9.8. Agriculture Knowledge in rural school:

|  |  |  |  |
| --- | --- | --- | --- |
| Name and address of school | Date of visit to school | Areas covered | Teaching aids used |
| Srihari charan High school | 03.12.2018 | Career prospective in agriculture | - |

Give good quality 1-2 photograph(s)

9.9. Details of ‘*Sankalp Se Siddhi’*Programme

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date of programme | No. of Union Ministers attended the programme | No. of  Hon’ble MPs (Loksabha/ Rajyasabha) participated | No. of State Govt. Ministers | Participants (No.) | | | | | | | Coverage by Door Darshan (Yes/No) | Coverage by other channels (Number) |
| MLAs Attended the programme | Chairman ZilaPanchayat | Distt. Collector/ DM | Bank Officials | Farmers | Govt. Officials, PRI members etc. | Total |
| 31.08.17 | - | 01(Loksabha) | - | 02 | 01 | - | 05 | 1700 | 41 | 1750 | yes | 05 |

9.10. Details of Swachhta Hi Sewa programme organized

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

9.11. Details of Mahila Kisan Divas programme organized

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No. | Activity | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
| 01 | Awareness about drudgery reduction | 05 | 50 | 05 | * Sj. Jahed ahmed, DAO, Sadar Balasore * Sj. Ajay Kumar Rout, BVO, Basta * Sj. Bairagi Sethi, AAO, Balsore |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name of Farmer** | **Address of the farmer with contact no.** | **Innovation/ Leading in enterprise** |
|  | Bhaskar patra | Chaumukh, Baliapal  9583704665 | Mushroom |
|  | Mrutyunjay Hajira | Narayanpur, Baliapal  9237437887 | Groundnut, Betel vine |
|  | Jagabandhu Mohanty | Tahalia, Remuna  7873732893 | Integrated Farming System  Low cost nursery technique |
|  | Sanjay Sahoo | Kulhachada, Baliapal  9776376447 | Green Gram |
|  | Madhusudan Giri | Nuagaon, Baliapal  8984502011 | Black Gram |

9.13. HRD programmes attended by KVK person

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Training programme/ Seminar/ Symposia/ Workshop etc attended | Duration | Name of the  participants | Designation | Organizer of the training Programme |
| Awareness–cum-exposure training on geospatial technology | 10.10.17-14.10.17 | P.M. Giri | Scientist (Agronomy) | OUAT |
| Preventing Grain losses: Scientific approach | 28.10.17-29.10.17 | Dr. G. Sahoo | Scientist (Plant Protection) | OUAT |
| Principle & Practices of Management | 05.01.18-09.01.18 | Dr. S.K. Mohapatra | Sr. Scientist & Head | OUAT |
| Orientation training.-cum-Refresher course | 30.01.18 | M.K. Jena | Scientist (Soil Sc) | ATARI-Kolkata |
| Orientation training.-cum-Refresher course | 30.01.18 | P.M. Giri | Scientist (Agronomy) | ATARI-Kolkata |
| Orientation training.-cum-Refresher course | 01.02.18 | Dr. S.K. Mohapatra | Sr. Scientist & Head | ATARI-Kolkata |
| Orientation training.-cum-Refresher course | 01.02.18 | Dr. G. Sahoo | Scientist (Plant Protection) | ATARI-Kolkata |
| Orientation training.-cum-Refresher course | 06.02.18 | Dr. Amita rani Patra | Scientist (Home Sc.) | ATARI-Kolkata |
| Write-shop for preparation of training manual | 12.3.18-14.3.18 | P.M. Giri | Scientist (Agronomy) | DEE, OUAT |

9.14. Revenue generation

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

9.15. Resource Generation:

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

9.16. Performance of Automatic Weather Station in KVK

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

9.17. Contingent crop planning

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

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

1. Year: 2017-18
2. Introduction / General Information:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Title | Objective | Treatment details | Date of sowing | Replication | Result with photographs |
| Experiment 1 | Varietal evaluation of STRV | Assessment for submergence tolerant | Bina -11 | 15.07.17 | 10 | 58.5q/ha |
| Experiment 2 | Varietal evaluation of STRV | Assessment for submergence tolerant | Swarna sub 1 | 03.07.17 | 14 | 60.5q/ha |
| Experiment 3 | Varietal evaluation of STRV | Assessment for submergence tolerant | CR Dhan 1009 | 05.07.17 | 6 | 58.5 |

11. Details of TSP: ***No TSP programme at KVK, Balasore***

1. Achievements of physical output under TSP during 2017-18

|  |  |
| --- | --- |
| **Programmes** | **Physical achievements** |
| Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.) |  |
| On-farm trials (Number) |  |
| Frontline demonstrations (Number) |  |
| Farmers training (in lakh) |  |
| Extension personnel training (in lakh) |  |
| Participants in extension activities (in lakh) |  |
| Seed production (in tonnes) |  |
| Planting material production (in lakh) |  |
| Livestock strains and fingerlings production (in lakh) |  |
| Soil, water, plant, manures samples testing (in lakh) |  |
| Provision of mobile agro – advisory to farmers (in lakh) |  |
| No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.) |  |

1. Fund received under TSP in 2017-18 (Rs. In lakh):
2. Achievements of physical outcome under TSP during 2017-18

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Description | Unit | Achievements |
|
| 1 | Change in family income | % | - |
| 2 | Change in family consumption level | % | - |
| 3 | Change in availability of agricultural implements/ tools etc. | No. per household | - |

1. Location and Beneficiary Details during 2017-18

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***District*** | ***Sub-district*** | ***No. of Village covered*** | ***Name of village(s)***  ***covered*** | ***ST population benefitted***  ***(No.)*** | | |
| M | F | T |
| - | - | - | - | - | - | - |

12. Progress report of NICRA KVK (Technology Demonstration component) during the period

(Applicable for KVKs identified under NICRA) – **No NICRA project at KVK, Balasore**

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of the Award | Name of the Farmer | Year | Conferring Authority | Amount | Purpose |
| 01 | Best Farmer award | Badal Kumar Patra | 2017 | OUAT, Bhubaneswar | - | University foundation day observation |

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

15. Number of commodity based organizations/ farmers’ cooperative society/ FPO formed/ associated with during last one year

(Details of the group/society may be indicated)

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

1. Integrated Farming System (IFS)

Details of KVK Demo. Unit

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Module details  (Component-wise) | Area under IFS (ha) | Production (Commodity-wise) | Cost of production in Rs. (Component-wise) | Value realized in Rs. (Commodity-wise) | No. of farmer adopted practicing IFS | % Change in adoption during the year |
|  | Mushroom | 2000 sq ft | 196.5 | 15750 | 19650 | 120 | 53 |
|  | Elephant foot yam | 0.008 | 8 q | 18000 | 32000 | 22 | 37 |
|  | Poultry (brooding) | 6000sq ft | 1760 chicks | 60200 | 96610 | 175 | 67 |
|  | Yam | 0.4 ac | 6 q | 10600 | 18000 | 12 | 23 |

1. Technologies for Doubling Farmers' Income

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of the Technology | Brief Details of Technology (3- 5 bullet points) | Net Return to the farmer (Rs.) per ha per year due to the technology | No. of farmers adopted the technology in the district | One high resolution ‘Photo’ in ‘jpg’ format for each technology |
| 1 | Cultivation of Flood tolerant Paddy | Paddy var. Swarna Sub-1 | 24200 | 1200 | - |
| 2 | Combined nutrient spray | Combined nutrient spray (2.5kg DAP+1kg Ammonium sulphate + 500g Borax + 350ml Planofix in 500ltr water) | 28650 | 600 | - |
| 3. | Integrated Management of Sheath blight | Seed v treatment with Thiophenate methyl@1.5g/kg seed and alternate spraying of (Trifloxystrobin+ Tebuconazole) @ 0.4g/ltr& Thifluzamide 24SC @ 1ml/ltr water | 27550 | 1100 | - |
| 4 | Backyard rearing of improved poultry breed | Backyard rearing of improved poultry breed “ rainbow rooster” | 1250/10bird/3month | 350 | - |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Database prepared/ covered for | | KVK level Committee | | Various activity conducted for farmers |
| Phase | Total no. of villages | Total no. of farmers | Date of formation | Name of members |
| I (up-to 15.03.2018) | 15 | 85 | - | - | - |
| II (up-to 24.04.218) | 650 | 1729 |  |
| Total | 675 | 1814 |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No. | Name of the programme | Date of the programme | Venue | Purpose | No. of participants |
| 01 | World Meteorological Day | 23.03.2018 | Narayanpur, Baliapal | To create awareness among the farmers regarding various issues related to climate change | 50 |

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