ANNUAL PROGRESS REPORT

April 2017 to March 2018

Krishi Vigan Kendra, Angul, Odisha
Zone-V

Orissa University of Agriculture & Technology, Bhubaneswar

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
At: Panchamahala P.O: Hulurisingha District: Angul PIN: 759132 Odisha	9437143711	---	kvkangul.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology	0674-2397424	0674-2397818	registrarouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Bineeta Satpathy	---	9439795836	shyambinee@hotmail.com

1.4. Year of sanction of KVK: 25th March 1995

1.5. Staff Position (as on 1st April, 2017)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ ST/ OBC/ Others)
1	Programme Coordinator	Dr. Bineeta Satpathy	Senior Scientist & Head	Agril. Extension	15600-39100 (16310+8000)	12.11.2015	Permanent	Others
2	Subject Matter Specialist	Er. Bimalendu Mohanty	Scientist	Agril. Engineering	15600-39100 (23590+ 6000)	14.3.2005	Permanent	Others
3	Subject Matter Specialist	Dr. Sumita Acharya	Scientist	Home Sc.	15600-39100 (20590+ 6000)	10.5.2010	Permanent	Others
4	Subject Matter Specialist	Tiryak Kumar Samant	Scientist	Agronomy	15600-39100 (18320+ 6000)	12.12.2012	Permanent	Others
5	Subject Matter Specialist	Gyanranjan Sahoo	Scientist	Forestry	15600-39100 (20590+ 6000)	6.10.2015	Permanent	OBC
6	Subject Matter Specialist	Dr. Monalisa Behera	Scientist	Animal Sc.	15600-39100 (15600+ 6000)	23.7.2015	Permanent	SC
7	Subject Matter Specialist	Ipsita Mishra	Scientist	Pl. Protection	15600-39100 (16250+ 6000)	6.11.2015	Permanent	Others
8	Programme Assistant	Rashmi Prabha Mishra	Programme Assistant	Fishery	9300-34800 (11010+4200)	30.7.2012	Permanent	Others
9	Computer Programmer	Prasant Kumar Sahoo	Programme Assistant (Computer)	Computer Sc.	9300-34800 (15830+4200)	25.8.2015	Permanent	OBC
10	Farm Manager	Dr. Tamalika Sarangi	Farm Manager	Nematology	9300-34800 (9300+4200)	5.2.2015	Permanent	Others
11	Accountant / Superintendent	Vacant		-			Permanent	
12	Stenographer	Biraja Prasad Jena	Junior Steno-cum-Computer Operator	-	5200-20200 (7860+2400)	18.11.2009	Permanent	Others
13.	Driver	Soumendra Kumar Mishra	Driver-cum-Mechanic	-	5200-20200 (6860+ 1900)	17.6.2013	Permanent	Others
14.	Driver	Biswanath Parida	Driver-cum-Mechanic	-	5200-20200 (6860+ 1900)	14.7.2014	Permanent	Others
15.	Supporting staff	Narendra Kumar Behera	Peon-cum-Watchman	-	4750-14680 (5820+ 1500)	30.7.2008	Permanent	OBC
16.	Supporting staff	Rabi Parida	Peon-cum-Watchman	-	4750-14680 (5820+ 1500)	2.8.2008	Permanent	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	0.4
3.	Under Crops	3.0
4.	Orchard/Agro-forestry	7.0
5.	Others with details (Drainage line, Waste land, Pond, roads)	4.7
	Total	15.6

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					✓	688.65	Yes	ICAR
2.	Farmers Hostel					✓	304.71	Yes	ICAR
3.	Staff Quarters (6)					3 Nos.		Yes	ICAR
4.	Piggery unit	✓							
5	Fencing			✓					RKVY
6	Rain Water harvesting structure	✓							
7	Threshing floor					✓	185.80	No	ICAR
8	Farm godown						15.60		
9.	Dairy unit	✓							
10.	Poultry unit					✓	13.93	Yes	ICAR
11.	Goatary unit					✓	18.58	Yes	ICAR
12.	Mushroom Lab					✓	13.38	Yes	RKVY
13.	Mushroom production unit					✓	16	Yes	ICAR
14.	Shade house	✓							
15.	Soil test Lab					✓		Yes	ICAR
16	Others,Please Specify								
17	Poly house						27.58	Yes	RKVY

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	7,04,162	14,568	Running
Bajaj Kawasaki 4S Champion	1996	31,282	36,823	Running
Bajaj boxer CT-K-Tech	2002	34,990	35,059	Running
Tractor	2003	2,95,251	1614 hrs.	Running

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Counter balance (10 kg cap)	05.10.00	780	Damaged	ICAR
Spring balance (100 kg cap)	08.10.00	570	Damaged	ICAR
Sewing machine	31.03.04	2,980	Damaged	ICAR
Mixture grinder	28.03.04	2,990	Damaged	ICAR
Refrigerator	31.03.07	9,000	Needs minor repair	ICAR
Microprocessor based pH meter	31.03.07	19,463	good	ICAR
Hot air oven	31.03.07	7,650	good	ICAR
Digital analytical balance	28.03.07	1,14,750	good	ICAR
Hot plate	28.03.07	2,475	good	ICAR
Micro controlled based conductivity meter	31.03.07	11,090	good	ICAR
Micro controlled based conductivity meter	31.03.07	32,976	good	ICAR
Centre fuge	26.03.07	10,688	good	ICAR
Seive size 30 mesh	31.03.07	450	good	ICAR
Seive size 60 mesh	31.03.07	450	good	ICAR
All purpose stirrer REMI make	31.03.07	4,580	good	ICAR
Water bath	23.03.07	10,688	good	ICAR
Digital spring balance	23.03.07	563	good	ICAR
Binocular micro scope	28.03.07	21,769	good	ICAR
Tripple distillation set	23.03.07	24,750	good	ICAR
Gas with accessories	31.3.2011	5,483	Good	RKVY
Autoclave	31.3.2011	69,750	Good	RKVY
Laminar Air flow	31.3.2011	55,125	Good	RKVY
Hot Air Oven	31.3.2011	15,000	Good	RKVY
Iron Rack (1 No.) , Lavatory Table (1 No), Revolving stool (1 No.), Lavatory Stool (1 no)	31.3.2011	19,900	Good	RKVY
Electronic Balance (1 no.)	31.3.2011	5,460	Good	RKVY

Refrigerator	31.3.2011	18,600	Good	RKVY
B.P. One Monitor	31.3.2016	2,610	Good	ICAR
b. Farm machinery				
Automatic soil augur	31.03.07	40,420	Good	ICAR
Rotavator	31.3.2017	1,00,000	Good	ICAR
c. AV Aids				
Camera Pentax 50 mm	30.03.96	17,780	Out of order	ICAR
Over head projector (Photophone)	13.03.99	14,980	Out of order	ICAR
Desk top computer	20.02.01	40,000	Not functioning	ICAR
Inkjet printer	27.03.02	4,990	Damaged	ICAR
P.A cassette amplifier	29.03.04	3,390	Good	ICAR
Microphone	30.03.04	580	Good	ICAR
Microphone stand	30.03.04	330	Good	ICAR
Sound box	30.03.04	1,875	Good	ICAR
Desk top computer	30.03.06	37,500	Good	ICAR
Dot matrix printer	30.03.06	10,690	Damaged	ICAR
Multifunctional laser jet	25.03.06	25,272	Damaged	ICAR
Photo copier	25.03.06	48,900	Damaged	ICAR
U.P.S	31.03.06	3,500	Damaged	ICAR
Web camera	31.03.06	865.40	Damaged	ICAR
L.C.D Projector	30.03.06	49,899.99	Good	ICAR
D.V.D player	30.03.06	2,989	Good	ICAR
Pen drive	31.03.07	1,250	Damaged	ICAR
Colour T.V	31.03.07	11,200	Good	ICAR
Lap top	31.03.07	48,900	Not functioning	ICAR
HP laser Jet 1020 Plus Printer	10.01.2012	6,500	Good	ICAR
Digital Camera	31.3.2012	19,600	Not functioning	ICAR
Desktop Computer	31.3.2012	39,520	Good	ICAR
Printer Samsung SCX 3401	31.3.2012	8,528	Good	ICAR
UPS for computer (Make Uniline)	31.3.2012	1,404	Good	ICAR
Web Camera	31.3.2016	6,600	Good	ICAR
Desktop Computer	31.3.2016	44,500	Good	ICAR
Digital Camera	31.3.2017	17,900	Good	ICAR
Desktop Computer (Make-Dell)	31.3.2017	44,500	Good	ICAR
Laptop (Make –HP)	31.3.2017	48,000	Good	ICAR
Desktop Computer (Make-Dell) 2 nos	31.3.2018	99,000	Good	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Diesel pump 3.5 HP	09.03.99	19,500	Out of order	ICAR
Maruti sprayer (12 lit cap)	27.03.99	4,874	Damaged	ICAR
Maruti sprayer (9 lit cap)	27.03.99	3,99	Good	ICAR
Knapsak sprayer 16 lit cap.	27.03.99	2,610	Good	ICAR
Jubilee duster	27.03.99	2,300	Damaged	ICAR
Sprayer Brass	30.03.02	690	Damaged	ICAR
Sprayer 5 lit cap	25.02.06	600	Damaged	ICAR
Tulu pump 1` HP	19.01.07	4,650.88	Damaged	ICAR
0.5 hp Monoblack Pump for Model	11.06.2012	3,229	Not functioning	ICAR
Brush Cutter and Tap & go (Make-Honda) 1 no	05.10.2012	26,000	Good	ICAR
Water Pump (Make –Honda) (1 no.)	05.10.2012	22,450	Good	ICAR
Sprayer	05.8.2013	1,850	Good	ICAR
Chaff Cutter	19.3.2016	22,500	Good	ICAR
Ladder (Aluminium) 1 no	31.3.2016	8,500	Good	ICAR
Honey bee box	31.3.2016	5,375	Good	ICAR

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.	29.7.2017	30	➢ Popularization of high yielding maize varieties. ➢ Diversification ➢ Emphasize on introduction of new varieties of Paddy replacing the old one in seed production mode to popularize it. ➢ Demonstration of new technology for the off season vegetable productions, importance of Rhizobium culture, seed treatment, utilization of fallow land. ➢ Effective work for the extinct varieties of Blackgram, Greengram and paddy in Research mode.	➢ Demonstration programme on weed management in *kharif* maize has been included in the plan. ➢ Introduction of HYV sweet corn replacing maize for more income of the farmers ➢ Medium duration (135 days) HYV of rice (Hiranmayee) is started in Kharif at module village Banuasahi to assess the yield performance against the varieties MTU 1001 and Surendra. IRRI Head to Head trial will be conducted (Var.DRR-42, 44, 46, Sahabhagidhan.) ➢ Trials on *rabi* pulses in rainfed Rice-fallow situation have been included in the action plan. Greengram cultivation in Ramimunda in Rice-fallow condition was conducted. ➢ Cluster demonstration on oilseed and pulse comprising a total of 200 ha is completed. Germplasms collected from oilseed & Pulse farmers and submitted to concern dept. of OUAT for further research work. We have received blackgram var. Prasad & KUG-725 from CPR, Berhampur our instructional farm which are yet to be conducted.	All the programmes addressed in action taken report were conducted

			➢ Emphasis on the activities with the allied departments in convergence mode for effective dissemination of technologies. ➢ Training programmes in animal husbandry for rural youth to be conducted and to establish one Fodder Demonstration unit in KVK Farm. ➢ Farmers' Club, demanded for one training Hall of capacity 100 trainees and demonstration unit inside KVK premises for the benefit of farming community. ➢ Introduce sustainable high density mango plantation and canopy management practices in existing mango orchard. Value addition in mango should be emphasized. ➢ Mango Hub Programme of Farmers' Federation should be encouraged more under the guidance of KVK. ➢ Focus on the performance of Pallishree breed poultry.	➢ With consolidation of farmers problems and need, emphasis was given to undertake different activities in convergence mode at every District level Interface of all stakeholders on 3rd Tuesday of every month ➢ Demonstration on cultivation of *rabi* Fodder (Berseem), Hybrid Napier CO-4 for livestock feed management is included in the action plan. Training programmes for rural youth and farmers on Improved Agronomic practices for major fodder crops, Azolla cultivation for milch cow, and vocational training on Goat farming proposed this year by KVK. Hybrid Napier for goat developed newly in KVK demo unit. ➢ Discussed with Ex-PD, DRDA and also with the Collector and District Magistrate. There is a proposal for training hall construction at KVK campus for benefit of the farming community. ➢ Training programme will be conducted by KVK in module villages in convergence with NHM on canopy management in mango orchard for sustainable mango production. ➢ Assessment of mango leather in solar dryer done with support from FES, Angul. One training programme was conducted by KVK Scientists including WSHGs of Talagarh module village. List of beneficiaries will be given by KVK to NHM to avail subsidy to purchase Solar Dryer ➢ Convergence programme of Mango Hub was successfully done this year in collaborative approach for benefit of the farmers. Value added mango products were also sold by women cooperative society under the guidance of KVK Scientists. ➢ Pallishree breed poultry birds (150 nos.) were procured from OUAT and brooding is continuing in KVK poultry demo unit for FLD programme. Assessed last year and taken as FLD programme in DFI module village.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

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

Sl.no.	Item	Information
1	Major Farming system / enterprise	• Crop+ vegetable+ dairy • Crop+ orchard+ mushroom • Crop+ vegetable+ floriculture+ dairy+ pisciculture • Crop+ poultry+ goatery+ mushroom+ pisciculture • Crop+ orchard+ floriculture+ livestock+ pisciculture • Commercial cultivation of Mango, Litchi and Banana • Nursery raising

		• Commercial cultivation of vegetables i.e. Tomato, Brinjal, Cauliflower & Onion • Mushroom cultivation • Pisciculture • Poultry • Bee keeping • Cash crop like sugarcane, Groundnut
2	Agro-climatic Zone	Mid Central Table land zone
3	Agro ecological situation	1. Red loam soil with medium rainfall 2. Black soil with low rainfall 3. Black soil with medium rainfall 4. Medium textured red loam soil with low rainfall 5. Black soil low rainfall
4	Soil type	• Red Laterite • Black (vertisol) • Lateritic (Oxisol) • Alluvial
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	**Cereals:** Rice-23.23q/ha, Maize-19.18; **Pulses:** Blackgram-4.38 q/ha, Greengram-4.52 q/ha; Pigeonpea: 8.15 q/ha **Oilseeds:** Groundnut-18.41 q/ha; Sesame-4.06 q/ha; Mustard-1.97 q/ha **Vegetables**: Tomato-133.3 q/ha; Brinjal-150.1 q/ha; Chilli-9.89 q/ha **Fruits:** Mango-86.50 q/ha; Litchi-124.5 q/ha; Banana-91.0 q/ha
6	Mean yearly temperature, rainfall, humidity of the district	Temp(Max)- 41^0C (May), Temp(Min)- 13^0C (Dec) Rainfall-840.8 mm Humidity(Max): 84% (July), Humidity(Min): 41% (March)
7	Production of major livestock products like milk, egg, meat etc.	**Production/year** Meat-7.1 TMT, Milk-47.26 TMT, Egg-23.34 millions Pisciculture: 4985.99 tonnes

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
1	Athamalik	Athamalik	Hatiganj	Paddy, blackgram, greengram, brinjal, cauliflower, Poultry, Mushroom, goatery, etc.	❖ Poor weight gain performance of local variety birds, high mortality in backyard condition, less egg production ❖ High kid mortality, weak kid birth, kidding interval high ❖ Low yield potential of mushroom ❖ Lack of knowledge regarding small scale income generating enterprises	❖ Increase income opportunities for rural youth and farm women ❖ To enhance productivity of fish , egg, milk and meat through scientific approach
2	Banarpal	Banarpal	Banuasahi	Rice, Maize, Blackgram, Greengram, groundnut, brinjal, tomato, chilli, cauliflower, okra, Dairy, etc.	❖ Use of old & low yielding variety ❖ Severe weed infestation	❖ Varietal substitution in field and vegetable crops ❖ To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop management
3	Angul	Angul	Talagada	Paddy, Maize, Greengram, Blackgram, Pigeonpea, Sesamum, Chilli, Turmeric, Poultry, mushroom, etc.	❖ Single rice cropping and non utilisation of soil moisture during rabi rice-fallow situation ❖ Low yield and income due cultivation of rice in upland ❖ Drought situation ❖ Use of old & low yielding variety ❖ Severe weed infestation ❖ Distress sale ❖ Lack of value addition/Unhygienic Product ❖ Low yield potential of mushroom	❖ To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop management ❖ To enhance productivity of fish , egg, milk and meat through scientific approach ❖ Increase income opportunities for rural youth and farm women

4	Chhendipada	Chhendipada	Chakradharpur	Paddy, groundnut, sesamum, blackgram, greengram, brinjal, tomato, bittergourd, cauliflower, Fruit orchard (Mango, cashew), dairy, goatery, etc.	❖ Low yield from upland Paddy ❖ Use of old & low yielding variety ❖ Severe weed infestation ❖ Severe Leaf folder attack ❖ Incidence of blast disease ❖ Severe infestation of mango hopper ❖ Non availability of green fodder for livestock, high cost of cultivation ❖ Interspaces of tree species remain unutilized ❖ Traditional method of fish culture by stocking fingerlings ❖ Conventional method of IMC culture without using Pangas and any scientific management practices	❖ To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop management ❖ To reduce crop loss through integrated pest & disease management ❖ To enhance productivity of fish , egg, milk and meat through scientific approach ❖ To Promote horti-silvi -pastoral system ❖ To reduce drudgery in farm women
5	Kishorenagar	Kishorenagar	Sanjamura	Paddy, Green gram, Black gram, Onion, Pisciculture, etc.	❖ Low yield from upland Paddy ❖ Yield loss in onion due to infestation of purple blotch ❖ Traditional method of fish culture by stocking fingerlings ❖ Conventional method of IMC culture without using Pangas and any scientific management practices	❖ To enhance productivity of fish , egg, milk and meat through scientific approach ❖ To reduce crop loss through integrated pest & disease management ❖ To Promote horti-silvi -pastoral system ❖ To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop 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
Talagarh	Angul	• Demonstration on biointensive pest management of fruit an shoot borer in binjal • Training on integrated pest and disease management in kharif vegetable
Chakradharpur	Chhendipada	• Assessment of IPM practice for management of mango hopper • Demonstration of IPM practice for management of spodoptera in cauliflower

		• Training on integrated pest management in cole crops • Training on management of insect pests of mango • Training on management of pod borers in pigeon pea • Assessment of high yielding banana var-Amruthapani • Assessment of wilt tolerant brinjal var.Arka neelachal shyama • Demonstration of kharif onion var.Bhima dark red
Sanjamura	Kishornagar	• Assessment of IPM practice for management of leaf folder in paddy • Demonstration of IDM practice for management of purple blotch in onion • Training on integrated pest management in kharif paddy • Training on management of insect pests in onion • Demonstration of performance of marigold var.seracole • Training on nursery raising technique under low cost polyhouse
Hatigenj	Athamallik	• Demonstration on IDM practice for management of YMV in okra • Assessment of high yielding banana var-Amruthapani • Assessment of wilt tolerant brinjal var. Arka neelachal shyama • Training on improved package and practices of banana cultivation

2.1 Priority thrust areas

S. No	Thrust area
1.	To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop management
2.	Soil fertility management
3.	Varietal substitution in field and vegetable crops
4.	To reduce crop loss through integrated pest & disease management
5.	To increase water use efficiency through micro-irrigation system in vegetables and fruits
6.	To develop entrepreneurship through capacity building measures
7.	Increase income opportunities for rural youth and farm women
8.	To enhance productivity of fish , egg, milk and meat through scientific approach
9.	Post harvest management of vegetables and fish
10.	To reduce drudgery in farm women
11.	To Promote horti-silvi -pastoral system

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
18	17	229	0	211	211	29	24	182	0	134	134

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
116	87	2470	74	1836	1910	349	349	4926	1084	3842	4926

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
26.6	26.6	2.965	3.08974

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.10800	0.53895	0.00300	0.00243

* Give no. only in case of fish fingerlings

Publication by KVKs		
Item	Number	No. circulated
Research paper	6	-
Seminar/conference/ symposia papers	1	-
Books	0	-
Bulletins	104	-
News letter	2	1000

Popular Articles	2	-
Book Chapter	0	-
Extension Pamphlets/ literature	2	1300
Technical reports	22	-
Electronic Publication (CD/DVD etc)	9	9
TOTAL	148	-

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	**Assessment of medium duration High yielding variety rice (Hiranmayee)**
2.	Problem diagnosed	Low yield in medium land rice due to use of old variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Cultivation of HYV rice (Hiranmayee) in rainfed medium land situation (Assessed)
4.	Source of Technology	OUAT'2012
5.	Production system and thematic area	Rainfed medium land; Varietal evaluation
6.	Performance of the Technology with performance indicators	No of Effective tillers/hill, No. of spikelets /panicle, 100 grain weight, Grain yield , Net return & B:C ratio
7.	Final recommendation for micro level situation	HYV rice (Hiranmayee) can be cultivated in rainfed medium land with black soil & medium rainfall farming situation for higher grain yield and income.
8.	Constraints identified and feedback for research	Incidence of pest and moisture deficiency during P.I stage Medium duration HYV rice (Hiranmayee) produced 11.7 % higher grain yield with higher tillering capacity, net income and non lodging than farmers variety MTU 1001.
9.	Process of farmers participation and their reaction	Farmers participation during Training programme and interaction during field visit Farmers were convinced with the performance of HYV rice(Hiranmayee) due to its higher tillering capacity, non lodging & higher grain yield with additional net return. They decided to cultivate the same in large scale during next season

Thematic area: Varietal evaluation

Problem definition: Low yield in medium land (28250 ha) rice due to use of old variety

Technology assessed: Medium duration HYV rice (Hiranmayee) produced 11.7 % higher grain yield with higher tillering capacity, net income and non lodging than farmers variety MTU 1001.

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.)						
Farmers practice (MTU 1001)	10	12.5	127.5	1.68		43.5	48750	67425	18675	1.38
T.O-1 (Surendra)		14.4	135.8	1.85		45.2	50040	70060	20020	1.40
T.O-2 (Hiranmayee)		16.2	142.7	2.27		48.6	50540	75330	24790	1.49

Results: Medium duration HYV rice (Hiranmayee) produced 11.7 % higher grain yield than farmers variety MTU 1001 with higher tillering capacity, net income and non lodging.

OFT-2

1.	Title of On farm Trial	**Assessment of *rabi* pulses in rainfed Rice-fallow situation**
2.	Problem diagnosed	Low farm income due to non utilization of residual soil moisture in rainfed rice-fallow situation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Cultivation of pulses under residual soil moisture in rainfed rice-fallow situation after harvest of rice (Assessed)
4.	Source of Technology	OUAT' 2014
5.	Production system and thematic area	Rainfed upland/medium land; Crop intensification
6.	Performance of the Technology with performance indicators	No of branches/plant, No of pods/plant, No of seeds/pod, 100 grain wt, Yield , Net return & B:C ratio
7.	Final recommendation for micro level situation	Pulse like greengram can be cultivated in rainfed rice-fallow situation with Red loam & medium rainfall farming situation under residual soil moisture for additional grain yield and income.
8.	Constraints identified and feedback for research	Delay harvest in kharif rice. Cultivation of greengram under residual soil moisture in rainfed rice-fallow situation after harvest of rice recorded 54.7% higher rice equivalent yield and additional net return (Rs.15755/ha).
9.	Process of farmers participation and their reaction	Farmers participation during Training programme and interaction during field visit Farmers were convinced with the technology due to additional yield and farm income and decided to practice the same in large scale during next season

Thematic area: Crop Intensification

Problem definition: Low farm income due to non utilization of residual soil moisture in rainfed rice-fallow situation (45000 ha)

Technology assessed: Cultivation of greengram in rice- fallow recorded 54.7% higher Rice equivalent yield and additional net return (Rs.15755/ha).

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (REY (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of branches/ plant	No. of pods/ plant	No. of seeds/ pod						
Farmers practice	10					42.2	47650	65410	17760	1.37
T.O-1 (Rice-blackgram)		4.5	21.2	8.2		62.5	67150	96875	29725	1.44
T.O-2 (Rice-greengram)		4.7	26.4	9.6		65.3	67700	101215	33575	1.50

Results: Cultivation of greengram in rice- fallow recorded 54.7% higher Rice equivalent yield and additional net return (Rs.15755/ha) in comparison to existing farmers practices (Rice-fallow)

OFT-3

1.	Title of On farm Trial	**Assessment of IPM practice for management of leaf folder in paddy**
2.	Problem diagnosed	Low yield of paddy due to heavy infestation
3.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	TO 1- Alternate spraying of neem based pesticide @ 5ml/lit and Fipronil 2ml/lit TO 2-6 times release of egg parasitoid T. chilonis @ 50,000/ha at 10 day interval and spraying of cartap hydrochloride 50%SP @ 400gm/acre (Assessed)
4.	Source of Technology	OUAT
5.	Production system and thematic area	Rainfed medium land,IPM
6.	Performance of the Technology with performance indicators	%Damage by leaf folder, net return ,Yield, BCR
7.	Final recommendation for micro level situation	6 times release of egg parasitoid *T. chilonis* @ 50,000/ha at 10 day interval and spraying of cartap hydrochloride 50%SP @ 400gm/acre effectively controls leaf folder in paddy and gives around 12% more yield
8.	Constraints identified and feedback for research	Non-availability of tricho cards in the district. Tricho cards effectively control the pest population if released in the initial stage of infestation. Need base use of cartap hydrochloride with proper dose can check the increasing pest population .
9.	Process of farmers participation and their reaction	Farmers were impressed with the performance of tricho card, they wanted to know the procedure of release and after released of tricho cards they are satisfied with the result. They decided to use tricho cards in the next season and asked for availability.

Thematic area: IPM

Problem definition: Low yield of paddy due to heavy infestation

Technology assessed: 6 times release of egg parasitoid *T. chilonis* @ 50,000/ha at 10 day interval and spraying of cartap hydrochloride 50%SP @ 400gm/acre effectively controls the leaf folder in paddy and gives around 40% increase in yield as compared to farmers practice.

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
FP Chloropyriphos	10				13.3	26.26	36400	39390	2990	1.08
TO1-Neem pesticide & Fipronil alternatively					6.13	31.02	37200	46530	9330	1.25
TO2-*T.Chilonis* & cartap hydrochloride					3.46	32.17	38000	48255	10255	1.26

- **Results** Use of neem oil and fipronil reduces the pest population upto 6.13% where use of tricho cards and cartap hydrochloride gives 3.46% reduction in pest population with Rs.10255/- net return.

OFT-4

1.	Title of On farm Trial	**Assessment of IPM practice for management of mango hopper**
2.	Problem diagnosed	Yield loss due to the severe infestation of mango hopper and poor quality of fruit produced
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO 1-Spraying of Imidacloprid@ 0.3ml/1lit of water followed by spray of quinalphos @ 2ml/lit TO 2- Spraying of Thiomethoxam 25%WG @125gm/ha (Refined)
4.	Source of Technology	OUAT
5.	Production system and thematic area	Irrigated Upland,IPM
6.	Performance of the Technology with performance indicators	No. of hopper/twig, Yield, B:C ratio
7.	Final recommendation for micro level situation	Spraying of Thiomethoxam 25%WG @125gm/ha at tree trunk before flowering and after fruit setting effectively controls mango hopper
8.	Constraints identified and feedback for research	Farmers were spraying pesticides without knowing its mode of action. They spent thousands of rupess to control the pest but pest population remains same. After spraying of recommended pesticides it was observed that alternate spraying of quinalphos and thimethoxam controls the pest population more effectively than farmers practice.
9.	Process of farmers participation and their reaction	Farmers were very much satisfied with the result after 2nd spraying with recommended dose and decided to use the same pesticide in the next season.

Thematic area: IPM

Problem definition: Yield loss due to the severe infestation of mango hopper and poor quality of fruit produced

Technology assessed: Spraying of Thiomethoxam 25%WG @125gm/ha at tree trunk before flowering and after fruit setting effectively controls mango hopper as compared with farmers practice.

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 hoppers/ twig								
FP Chloropyriphos	10	34.58								
TO1- Immidacloprid & quinalphos alternatively		23.53								
TO2- Thiomethoxam		14.89							Cont….	

Results-

OFT-5

1.	Title of On farm Trial	**Assessment of wilt tolerant brinjal var- Arka neelachal shyama**
2.	Problem diagnosed	Low yield of local variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO 1-Cultivation of green star variety TO 2-Cultivation of wilt tolerant brinjal var- Arka neelachal shyama (Refined)
4.	Source of Technology	CHES,2015
5.	Production system and thematic area	Rainfed medium land; Varietal evaluation
6.	Performance of the Technology with performance indicators	No. of fruits/plant, Net return, Yield, B:C ratio
7.	Final recommendation for micro level situation	Recommended for small scale farmers for more farm returns as the fruits fetches good market value
8.	Constraints identified and feedback for research	Though it is recognized as a wilt tolerant brinjal variety still some wilting problem was observed.so more of field testing is required
9.	Process of farmers participation and their reaction	This variety having good market price but as the plants having wilting problem and some of the plants died because of that. So they are not convinced to cultivate this variety in the next season

Thematic area: Varietal evaluation

Problem definition: Low yield from local varieties

Technology assessed: Substitution of local variety tarini with Arka neelachal shyama gives around 2.98% increase in yield as compaired with farmers practice. This gives a net return of Rs.184440/- from a hectare of land.

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								
FP Local variety Tarini	10	66.1				233.21	62530	233210	170680	3.30
TO 1- Cultivation of green star variety		72.7				246.97	72500	246970	174470	3.40
TO2-Wilt tolerant var- Arka neelachal shyama		87.5				254.35	73760	254350	180590	3.44

Results- Cultivation of wilt tolerant var- Arka neelachal shyama gives around 9.06% more yield as compared to farmers practice.

OFT-6

1.	Title of On farm Trial	**Assessment of Performance of high yielding banana var. Amruthpani**
2.	Problem diagnosed	Low yield from desi variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO 1-Cultivation of banana var. champa TO 2-Cultivation of banana var. Amruthpani
4.	Source of Technology	OUAT
5.	Production system and thematic area	Rainfed medium land; Varietal evaluation
6.	Performance of the Technology with performance indicators	No. of fruits/plant, Net return, Yield, B:C ratio
7.	Final recommendation for micro level situation	Recommended for marginal farmers as the fruits having good market value due to its taste.
8.	Constraints identified and feedback for research	Maintainance of tissue culture plantlets in the field during early stage poses a problem as many plants succumb to basal rotting.
9.	Process of farmers participation and their reaction	Farmers were interested for planting these plantlets in their field but within one week some of them complained about the basal rotting which results in death of the plantlets in later stage.

Thematic area: Varietal evaluation

Problem definition: Low yield from local varieties

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 Fruits/plant								
FP Local variety Tarini	10									
TO 1- Cultivation of green star variety										
TO2-Wilt tolerant var- Arka neelachal shyama									Cont….	

Results-

OFT-7

1.	Title of On farm Trial	**Assessment on effect of supplementary concentrate feed on performance of does**
2.	Problem diagnosed	Low birth weight of kid, low weaning body wt. of kids, high kid mortality
3.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	TO_1: grazing + 100g of concentrate feed per doe per day one month prior to kidding and after kidding. TO_2: grazing+ 200g of concentrate feed per doe per day one month prior to kidding and after kidding
4.	Source of Technology	OUAT,2011
5.	Production system and thematic area	Livestock production and management and feed management
6.	Performance of the Technology with performance indicators	TO_1:Birth weight of kid-1.15kg weaning body wt. of kids-4.75kg, kid mortality- 6.6% TO_2:Birth weight of kid-1.3kg weaning body wt. of kids-5.43kg, kid mortality- 0%
7.	Final recommendation for micro level situation	Supplementation of concentrate between 200g improved both prepartum and postpartum body condition of goats. concentrate feed for does during late gestation and early lactation periods created positive impact on growth performance of kids and reduced kid mortality
8.	Constraints identified and feedback for research	Supplementary feeding practices were not well received by the goat farmers and for which participatory action research might be an exemplary tool to promote scientific management practices among rural farmers. A commercial goat feed should be prepared and tested in pregnant does that could be recommended for goat farmers
9.	Process of farmers participation and their reaction	The farmers of the trial appreciated the technology and realized the benefits of supplementary feeding in case of pregnant does

Thematic area: Feed management

Problem definition: Kid mortality and low weight gain performance

Technology assessed: Assessment on effect of supplementary concentrate feed on performance of does.

Table:

Technology option	No. of trials	Yield component			kid motality (%)	Yield (live wt gain/ 15 does)	Cost of cultivation (Rs./15 does)	Gross return (Rs/15 does)	Net return (Rs./ha)	BC ratio
		Avg Birth wt. of kid(kg)	Avg. weaning wt. (kg)	Post parturient weight of does (kg)						
FP	5	0.96	4.17	23.84	13.33	108.42 kg	9000	24394.5	15394.5	2.71
TO_1 (grazing + 100g of concentrate feed)		1.15	4.75	24.61	6.6	133 kg	10800	29925	19125	2.77
TO_2 (grazing + 200g of concentrate feed)		1.3	5.43	24.92	0	162.9 kg	12600	36652.5	24052.5	2.9

Results: Supplementation of concentrate between 200g improved both prepartum and postpartum body condition of goats and also created positive impact on growth performance of kids and reduced kid mortality.

OFT-8

1.	Title of On farm Trial	**Assessment on effect of bypass fat supplementation in high yielding dairy cow**
2.	Problem diagnosed	High incidence of metabolic disorders, low yield performance.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Feeding of bypassfat @ 100 gm per day per animal in concentrate mixture TO2:Feeding of bypass fat @ 100 gm +50 gm mineral mixture per day per animal
4.	Source of Technology	NDDB
5.	Production system and thematic area	Livestock production and management and feed management
6.	Performance of the Technology with performance indicators	TO_1 : Milk yield-8.15 ltr, SNF%-8.35, FAT%-4.64 TO_2 : Milk yield-8.30 ltr, SNF%-8.37, FAT%-4.68
7.	Final recommendation for micro level situation	Feeding of bypass fat increases milk production, improves the energy balance of lactating animals, maintain the production level and may alleviate problems of negative energy balance. The technology is not cost effective for rural farmers
8.	Constraints identified and feedback for research	SNF content was unaffected by supplementation of rumen protected fat. Lack of awareness, unavailability of product in local market, preparation of low cost bypass fat for farmers
9.	Process of farmers participation and their reaction	Farmers well appreciated the technology but farmers are not getting the additional milk price as per the quality of milk

Thematic area: Feed management

Problem definition: High incidence of metabolic disorders, low yield performance.

Technology assessed: Assessment on effect of bypass fat supplementation in high yielding dairy cow

Table:

Technology option	No. of trials	Yield component			% change in yield	Yield (milk yield/cow/2 months)	Cost of cultivation (Rs./cow)	Gross return (Rs/cow)	Net return (Rs./cow)	BC ratio
		Avg daily milk yield (ltr)	SNF%	Fat %						
FP	5	7.4	8.36	4.23	-	444 ltr.	7600	13,320	5720	1.75
TO_1(100 gm bypass fat)		8.15	8.35	4.64	10.13	489 ltr	8590	17,115	6290	1.99
$TO_2$100 gm bypass fat+50 gm mineral mix.)		8.30	8.37	4.68	12.16	498 ltr	8954	17,430	6099	1.94

Results: Feeding of bypass fat increased milk production, improved the energy balance of lactating animals, and maintained the production level. SNF content was unaffected but fat% was improved.

OFT-9

1.	Title of On farm Trial	**Assessment of Mango leather in Solar Dryer**
2.	Problem diagnosed	Low price due to unhygienic condition, low quality mango leather preparation, long drying process, Desi mango area: 4885 ha, 30% less income
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	$TO_{1:}$Mango leather in solar dryer (1 Kg Pulp) $TO_{2:}$Mango leather in solar dryer (1kg pulp + 2g citric acid + 0.5g sodium benzoate) (Assessed)
4.	Source of Technology	PHT, CAET, OUAT-2010
5.	Production system and thematic area	Homestead: Value addition
6.	Performance of the Technology with performance indicators	Sensory Evaluation, Keeping quality(Month) Net return & B:C ratio
7.	Final recommendation for micro level situation	Short drying process (12-18 hrs at 55^0C) with natural colour and more self life(6 months) gives more income
8.	Constraints identified and feedback for research	Non availability of Solar Dryer in local area Solar dried chemically treated mango leather have more acceptability and natural colour after 6 month with an additional income of Rs.30 per kg to the farm women
9.	Process of farmers participation and their reaction	Farmers' participation during Training programme and Demonstration of preparation of Mango leather. Farm women were very happy as they prepared mango leather in short period and in rainy days they have also used electricity for drying. Buyers also gave them more money for its quality. This year SHG members decided to avail subsidy by procuring Solar Dryer from NHM for large production.

Thematic area: Value addition

Problem definition: Low price due to unhygienic condition, low quality mango leather preparation, long drying process

Technology assessed: Mango leather in Solar Dryer

Table:

Technology option	No. of trials	Yield component			Fungal Growth	Yield	Cost of cultivation (Rs./kg)	Gross return (Rs/kg)	Net return (Rs./kg)	BC ratio
		Self Life (Month)	Moisture (%)	TSS (^{0}Brix)						
F P	10	3	26.12	21.8	Visible	1kg	30	50	20	1.6
T O_1		4	22	22	Non visible	1kg	30	60	30	2.0
T O_2		9	18	22	Non visible	1kg	40	90	50	2.25

Results: Solar dried chemically treated mango leather has more acceptability and natural colour after 9 month with an additional income.

OFT-10

1.	Title of On farm Trial	**Assessment of production of oyster mushroom (Var. *P. sajorcaju*)using different substrates**
2.	Problem diagnosed	Non availability of paddy straw, non utilization of sesame stalk and Ground nut haulm
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Cultivation of Oyster Mushroom in Groundnut haulm TO_2: Cultivation of Oyster Mushroom in Sesame stalk (Assessed)
4.	Source of Technology	CTMRT, OUAT-2012-13
5.	Production system and thematic area	Homestead and Small Scale Income Generation
6.	Performance of the Technology with performance indicators	Weight of fruit (g), Biological efficiency (%) Production (g/bag), B:C ratio
7.	Final recommendation for micro level situation	Mushroom growing technology is simple with low cost which gives high profit to farmers. It provides employment opportunities to rural people especially women.
8.	Constraints identified and feedback for research	Motivation of farm women to collect and store the substrate is needed. Soaking period for substrates to be standardized.
9.	Process of farmers participation and their reaction	Farmers' participation during Training and demonstration programme created a positive impact. Farmers were convinced with the technology due to additional farm income and decided to practice the same in large scale during next season

Thematic area: Small Scale Income Generation

Problem definition: Non availability of paddy straw due to mechanization in harvesting.
Technology assessed: Oyster mushroom (Var. *P. sajorcaju*) using different substrates

Table:

Technology option	No. of trials	Yield component			Biological Efficiency (%)	Yield(kg/2 kg substrate)	Cost of cultivation (Rs./bag)	Gross return (Rs/bag)	Net return (Rs./bag)	BC ratio
		Days of fruiting bodies formation	Average number of fruiting bodies	Average yield of three flushes (g/kg substrate)						
F P	10	27.00	28.47	803.00	80.30	1.60	35	96	61	2.74
$T O_1$		26.65	24.55	650.00	65.0	1.30	25	78	53	3.12
$T O_2$		31.69	22.22	700.00	70.0	1.40	25	84	59	3.36

Results: Oyster mushroom from sesame stalk gives 1.4kg/bag which give additional income as the substrate value is free of cost for the farmer.

OFT-11

1.	Title of On farm Trial	**Assessment of Ginger based Agri-silvicultural system**
2.	Problem diagnosed	In Most of the forest plantation the interspaces are remain unutilized
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment of ginger in the agri-silvi agroforestry system in which The interspaces of the forest plantation are utilized by intercropping of spices like ginger of var – Suprava.
4.	Source of Technology	AICRP on Agroforestry, OUAT , Bhubaneswar
5.	Production system and thematic area	Agro forestry management
6.	Performance of the Technology with performance indicators	59.2 q/ha with net income of RS. 77,200/-
7.	Final recommendation for micro level situation	In this rainfed situation ginger to be sown during April –May and irrigation should be done in addition to fertilizer application in kharif season.
8.	Constraints identified and feedback for research	Social and economic backwardness, poverty and illiteracy among farmers and price fluctuations are major impediments in achieving high productivity of ginger. Different mulching materials are to be made for research for better yield.
9.	Process of farmers participation and their reaction	Farmers participated during Training programme and method demonstration in the field, interaction during field visit.Farmers were convinced with the intercropping due to additional income.

Thematic area: Agroforestry Management

Problem definition: In Most of the forest plantation the interspaces are remain unutilized
Technology assessed: Assessment of Ginger based Agri-silvicultural system

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
		Rhizome wt./plant								
FP	10		--	-	-	-	-	-	-	-
TO1: ginger cultivatiion		140 gm	-	-	-	27.5	56200	113700	58100	2.02
T O2:Ginger based Agri-silvi agroforestry system		270 gm				59.2	64200	141400	77200	2.20

Results: ginger in forest plantion has given an yield of 59.2 q/ha to the farmer because it can grow I partial shace which gives better yield.

OFT-12

1.	Title of On farm Trial	**Assessement of *Bambusa nutans* in Angul district**
2.	Problem diagnosed	Farmers using local bamboo for household purposes
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment of *Bambusa nutans*
4.	Source of Technology	College of Forestry, OUAT, Bhubaneswar
5.	Production system and thematic area	Production management
6.	Performance of the Technology with performance indicators	Height of the new culm and no. of branches
7.	Final recommendation for micro level situation	Can be planted at a spacing 6x6m
8.	Constraints identified and feedback for research	Tissue culture bamboo may be developed for fast growth
9.	Process of farmers participation and their reaction	Farmers participated during Training programme and method demonstration in the field, interaction during field visit. Farmers wanted the planting materials in large for bund plantation.

Thematic area: Production managment

Problem definition: Farmers using local bamboo for household purposes

Technology assessed: Assessement of *Bambusa nutans* in Angul district

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
		Ht. of new culm)	No. of branches	Test wt. (100 grain wt.)						
FP	5									
TO_1:Bambusa vulgaris		2.3ft	2	-	-	-	-	-	-	-
TO2:Bambusa nutans plantation		3.4ft	5	-	-	-	-	-	-	-

Results: *Bambusa nutans* is grown fast than vulgaris in a year in height.

OFT-13

1.	Title of On farm Trial	**Assessment of stocking density of Desi Magur in Seasonal ponds**
2.	Problem diagnosed	Less profit due to lack of awareness regarding the culture method of Desi Magur
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Stocking of Desi Magur fry @ 50 no. / cubic mt. Stocking of Desi Magur fry @ 75 no. / cubic mt. Stocking of Desi Magur fry @ 100 no. / cubic mt.(Assessed)
4.	Source of Technology	CIFA, 2012 / OUAT
5.	Production system and thematic area	Production Management
6.	Performance of the Technology with performance indicators	Yield in (q/ha), Length(mm), Weight(gm), % change in yield and B:C ratio
7.	Final recommendation for micro level situation	Not yet completed
8.	Constraints identified and feedback for research	Non availability of quality seed, Lower survivability rate Suitable for culture in waste, non utilized derelict water bodies & shallow muddy water also. Desi Magur should be used for seasonal & unutilized ponds for profit enhancement within a less time period.
9.	Process of farmers participation and their reaction	Very few Farmers are interested for this type of culture practice. Most of them are only concentrated on carp species.

Thematic area:

Problem definition: Unscientific culture method of Desi Magur

Technology assessed: Assessment of stocking density of Desi Magur in Seasonal ponds

Table:

Technology option	No. of trials	Yield component			change in parameter (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		-	Fish length (mm)	Fish wt.(gm)						
FP TO_1 TO_2	03	-	L = 800 L = 700 L = 660	W (gm) = 80 W (gm) = 70 W (gm) = 66	- 14. 28 21.21	Cont.				

Results: Not yet completed

OFT-14

1.	Title of On farm Trial	**Assessment of growth of *Puntius sarana* in Composite Pisciculture system**
2.	Problem diagnosed	Lower yield and income due to non adoption of diversified fish species for culture practices
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Traditional method of Carp culture without using *Puntius sarana* i.e. (Catla : Rohu :Mrigal) @ 10000 no. /ha and culture for 10-12 months Incorporation of *Puntius sarana* @ 10 % or 1000 no./ha in the Major Carp system i.e. (Catla :Rohu :Mrigal) @ 10000 no. /ha and culture for 5-6 months (TO1) Incorporation of *Puntius sarana* @ 20 % or 2000 no./ha in the Major Carp system i.e. (Catla :Rohu :Mrigal) @ 10000 no. /ha and culture for 5-6 months (TO2)
4.	Source of Technology	CIFA, 2012 / OUAT
5.	Production system and thematic area	Production Management
6.	Performance of the Technology with performance indicators	Yield in (q/ha), Length(mm), Weight(gm), % change in yield and B:C ratio
7.	Final recommendation for micro level situation	Incorporation of *Puntius sarana* @ 20 % or 2000 no./ha in the Major Carp system i.e. (Catla :Rohu :Mrigal) @ 10000 no. /ha and culture for 5-6 months increases yield 56% over farmers practice leading to maximization of profit.
8.	Constraints identified and feedback for research	Non availability of quality seed in proper time, Non adoption of scientific techniques by farmers More yield and income in less time period due to fast growth rate of *Puntius sarana* i.e. (600-700 gm within 1st 5-6 months) in the first year of their culture. So it should be included with major carps for increasing income.
9.	Process of farmers participation and their reaction	Many Farmers are awared & interested for adopting this type of culture practice in place of single Major Carp culture

Thematic area:

Problem definition: Non adoption of diversified fish culture practices

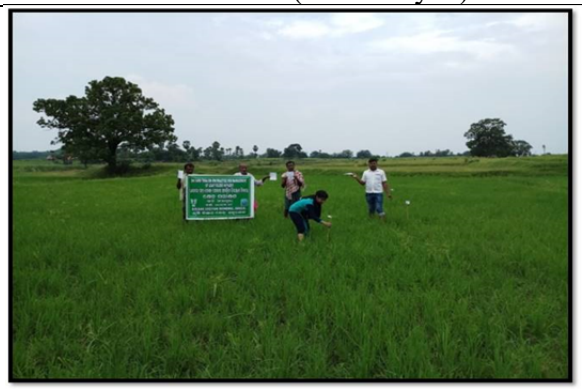
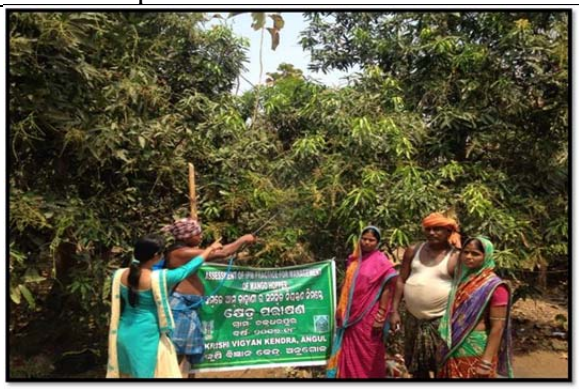
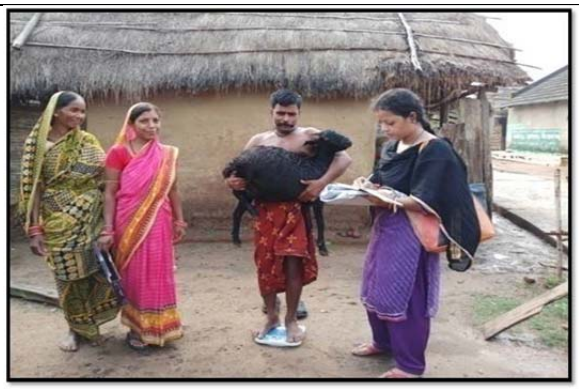
Technology assessed: Assessment of growth of *Puntius sarana* in Composite Pisciculture system

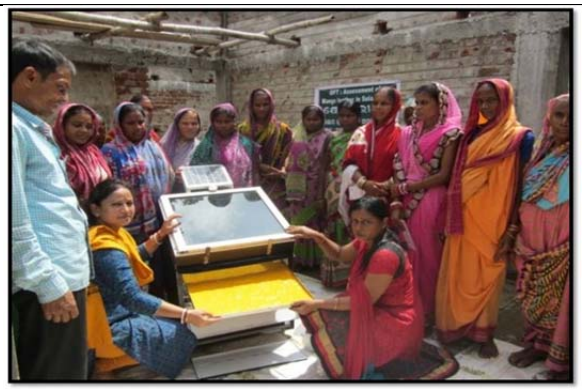
Table:

Technology option	No. of trials	Yield component			change in parameter (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		-	Fish length (mm)	Fish wt.(gm)						
FP	03	-	L = 2550	W (gm) = 255	-	16.8	91,803	1,68,000	76,197	1.83
TO_1			L = 3150	W (gm) = 315	23.52	25.2	93,333	2,52,000	1,58,667	2.7
TO_2			L = 3050	W (gm) = 305	19.60	26.3	95,636	2,63,000	1,67,363	2.75

Results: Incorporation of *Puntius sarana* @ 20 % or 2000 no./ha in the Major Carp system i.e. (Catla : Rohu :Mrigal) @ 10000 no. /ha and culture for 5-6 months increases yield 56% over farmers practice leading to maximization of profit.

Action Photographs of OFTs

	
HYV of rice (Hiranmayee)	Rabi pulses in rainfed Rice-fallow
	
IPM practice for management of leaf folder in paddy	IPM practice for management of mango hopper
	
Wilt tolerant brinjal var- Arka neelachal shyama	High yielding banana var. Amruthpani
	
Bypass fat supple-mentation in high yielding dairy cow	Concentrate feed on performance of does

	
Mango leather in Solar Dryer	Oyster mushroom (Var. P. sajor caju)using different agro wastes
	
Bambusa nutans in Angul district	Ginger based Agri-silvicultural system
	
Stocking density of Desi Magur in Seasonal ponds	Puntius sarana in composite carp culture system

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	
a	Maize	Integrated weed management	Application of Atrazine @ 1.0 kg/ha at 0-3 DAS *fb* one mechanical weeding by wheel finger weeder at 20-25 DAS	1.0	1.0	0	5	5	
b	Sweet corn	Integrated crop management	Cultivation of sweet corn (Sugar 75)	0.8	0.8	0	5	5	

Details of farming situation

Crop	Season	Farming situation (RF/ Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Maize	Kharif	RF	Medium texture red loam	189.5	11.4	182.6	Groundnut	05.07.2017	04.10.2017	465.2	40
Sweetcorn	Kharif	RF	Medium texture red loam	220.6	13.5	203.4	Groundnut	28.11.2017	25.02.2018	29.7	3

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Pigeonpea	Integrated nutrient management	STRDF + Seed inoculation of *rhizobium* culture @ 20g/kg of seed + Sodium molybdate @ 3g/ 10kg of seed	5	1.0	12.5	9.2	35.9	32800	68125	35325	2.07	31900	50140	18240	1.57
	Total		5	1.0	12.5	9.2		32800	68125	35325		31900	50140	18240	

* 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)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Berseem	Feed and fodder production	Cultivation of *rabi* fodder Berseem (Bundel Berseem-2)	5	1	480.2	195.4	145.7			26300	72030	45730	2.74	18700	29310	10610	1.57
Brinjal	IPM	Bio intensive pest management of shoot & fruit borer in Brinjal	5	2	246.86	301.68	22.20	7.76	27.52	82940	301680	218740	3.63	80460	246860	166400	3.06
Onion	IDM	IDM practice for management of purple blotch in onion	5	2	243.34	194.74	24.95	15.66	24.6	76320	243340	167020	3.18	73740	194740	121000	2.64
Cauliflower	IPM	IPM practice for management of Spodoptera in cauliflower	5	2	271.28	177.42	52.90	7.04	16.54	54200	135640	81440	2.50	52400	88710	36310	1.69

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)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Okra	IDM	IDM practice for management of YMV in okra	5	2													Cont...
Onion	Varital evaluation	Demonstration of Kharif onion Var-Bhima Dark Red	5	1	248.98	190.78	30.50			79200	248980	169780	3.14	72800	190780	117980	2.62
Seracole	Varital evaluation	Demonstration of Performance of marigold var-seracole	5	1													Cont….
Turmeric	Agroforestry management	Turmeric in teak based agroforestry system	5	0.4	52	38				57500	128000	70500	2.11	39400	71100	31700	1.80
Bamboo	Crop production	Sundarkani bamboo plantation by rooted culm cutting method	5	0.4													Contd.
	Total		**45**	**11.8**													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow	Dairy management	Probiotics feding in dairy nutrition	5	5													Cont….
Cow	Feed Management	Multiplication of Azolla (Variety. *Azolla caroliniana)*in low cost tank /pit of size 2mX1.5mX20cm and feeding 1-1.5kg Azolla per cow per day	10	10	300 lt/ month/ cow	271 lt/ month/ cow	10.7	8.32	7.4	3540/ month/cow	9000/ month/cow	5460	2.54	3884.8/ month /cow	7317/ month/ cow	3432.2/ month/ cow	1.88
Buffalo																	

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Poultry	Poultry management	Backyard Poultry var. Pallishree	5	5	Hen: 2.65kg Cock: 3.5kg Avg. body weight per bird=3.09 kg	Hen: 1.7kg Cock: 2kg Avg. body weight per bird=1.85 kg	67.00	-	-	2660	9416	6756	3.54	2740	5295	2555	1.93
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery	Duckery management	Breed-Khakicampbell	5	5	Avg body weight-1.6kg/ 5 months												Cont….
Others (pl. specify)	Fodder production	Hybrid napier var-CO4	5	5													Cont….
Total			**30**	**30**													

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes	Production Management	Ornamental fish fingerling production	5	5	(Yield in no./300 sq.ft) 1845 no.	-	100	Length (mm) = 94 Wt.(gm) 15	Length (mm) = 85 Wt.(gm) = 7	1480	5535	4055	3.74	-	-	-	-

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Indian Major Carps	Production Management	Multiple stocking and multiple harvesting method for advanced fingerling culture	4	4	Yield (q/ha.) 34.7 35.2	Yield (q/ha.) 15.8	119.62 122.78	W (gm) = 648	W (gm) = 252	83412	352000	268587	4.22	83412	352000	268587	4.22
Pangasius sutchi & IMC	Production Management	Culture of *Pangasius sutchi* with IMC	5	5	Cont.	-	-	Length (cm) = 610 cm Wt.(gm) 620	Length (cm) = 320 cm Wt.(gm) = 340					-	-	-	-
		Total	**14**	**14**													

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Paddy straw mushroom	Cultivation of OSM-11	10	10	1102.19g/ bed	701.43g/ bed	57.13	Avg. fruiting body-52 nos. Bioefficiency-11%	Avg. fruiting body-42 nos. Bioefficiency-7%	60/bed	132/ bed	72/ bed	2.2	60/ bed	84/ bed	24/ bed	1.4

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Preparation of RTS from stone apple	Preparation of RTS from 25kg raw stone apple: 12kg pulp + 14 kg sugar + 80 liter water + 80 g citric acid + 12 g sodium benzoate produces 100lts	10	10	100lts	100lts	-	Self life-3 months	Self life -1 day	2590	5000	2410	1.93	1300	2000	700	1.53
Total		**20**	**20**													

* 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	Paddy straw mushroom cultivation	1	1102.19g/ bed	701.43g/ bed	Farm women of module village (Members of Nilakantheswar SHG) Talagarh earned an additional income of avg.Rs.2000/- by cultivating the new variety of paddy straw mushroom strain OSM-11 with high yielding capacity
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	Yield (q/ha)	Filed observation (output/man hour)		% change in efficiency	WHR (beats/min)		Estimated Energy Expenditure (kj/min)		% change in drudgery	Cardiac Cost of work(beats/kg)	
					Demonstration	Check		Demonstration	Check	Demonstration	Check		Demonstration	Check
Hand operated Paddy winnower	Paddy	Use of Hand operated paddy winnower (Capacity-242kg/hr) for cleaning grain after harvesting	10	30	231.3 kg/hr	79.62 kg/hr	190	122	114	9.406	10.678	61.01	9.59	21.85

* 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 the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (pl.specify)										
Total										
Pulses										

Demonstration details on crop hybrids Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
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)	CO4	5	0.4						Cont….	
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total		**5**	**0.4**							

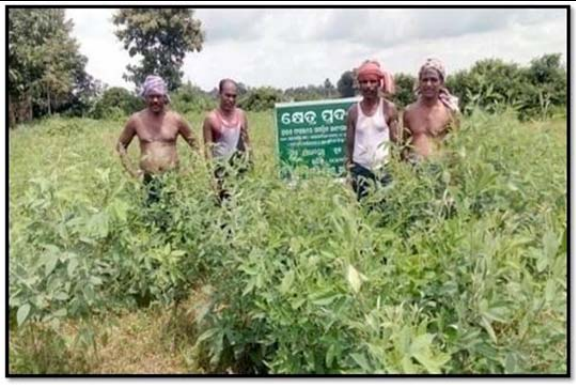
Technical Feedback on the demonstrated technologies

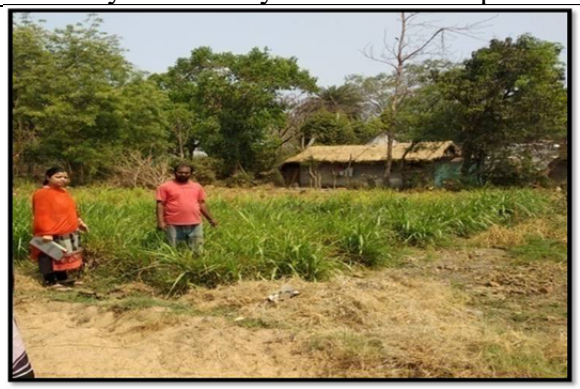
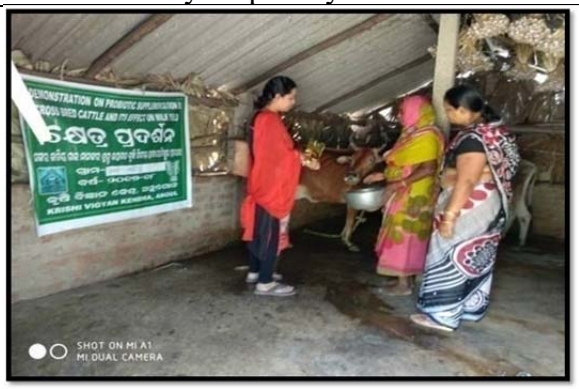
Sl. No	Crop	Feed Back
1	Maize	Application of Atrazine @ 1.0 kg/ha at 0-3 DAS *fb* one mechanical weeding by wheel finger weeder at 20-25 DAS produces 33.4% higher yield with weed control efficiency 78.83% in comparison to hand weeding
2	Sweetcorn	Cultivation of sweet corn (Sugar 75) produces 36.1 % higher yield with additional net return of Rs.16110/- than traditional maize cultivation
3	Pigeonpea	STRDF + Seed inoculation of *rhizobium* culture @ 20g/kg of seed + Sodium molybdate @ 3g/ 10kg of seed in pigeonpea produces 35.9% higher pod yield and net return Rs.18240/ha than existing injudicious fertilizer application
4	Berseem	Cultivation of *rabi* fodder Berseem (Bundel Berseem-2) produces 145.7% higher green fodder yield than cowpea
5	Brinjal	Release of tricho cards in 10 days interval for 6 times shows a very good result by reducing the
6	Brinjal	Basal application of neem cake @2.5q/ha , Removal of affected shoot, use of pheromone trap @ 20 traps /ha, 6 times release of egg parasitoid *T.chilonis* @ 50,000/ha at 10 day interval .Alternate spraying of neem oil @ 5ml/lit and spinosad @ 3.5ml/lit of water effectively controls the notorious pest with 22.20% incresase in yield than farmers practice
7	Cauliflower	Use of pheromone trap @ 25/ha and Alternate spraying of neem based pesticide 5ml/lit and Spinosad 45 EC @ 50ml/ac was found to be very effective against the pest with 52% increase in yield
8	Okra	Use of Yellow Sticky Trap @50 Trap/ha was found to be very much effective in trapping the whitefly population in the initial stage and also alternate spraying of neem based pesticide and Thiomethoxam 2500wg @125gm/ha effectively controls the disease incidence in severely affected area at later stage.
9	Onion	Seed treatment with Vitavax power 75%DS @2gm/kg of seeds followed by spraying of Netivo (Tebuconazole+Trifloxistrobin) @ 0.7gm/lit gives 24.95% more yield by effectively reducing the disease incidence
10	Onion	Substitution of local variety with improved variety Bhima dark red gives around 30% increase in yield
11	Poultry (Var. Pallishree)	The colour synthetic var. Pallishree grows faster and attains 3-3.5 kg in 4 months and the meat is soft compared to broiler and taste is good.
12	Azolla	SNF % increased 7.4 to 8.32 % which increase cost of milk Rs.3/lt
13	Mushroom	OSM-11 yield increase 57.13% from the farmers practice
14	Paddy	Reduce drudgery 61% with increase in efficiency 190%
15	Stone Apple	RTS prepared from edible part with chemically derived additives can be used as a potent nutritional promoter.
16	Turmeric	Turmeric can be sown as intercrop in forest plantation
17	Bamboo	Rooted Culm cutting of bamboo should be done instead of offset planting of bamboo
18	Ornamental Fish	Ornamental fish rearing Technique is one of the small scale Income generating Enterprise adopted by many farmers & Entrepreneurs of Angul district owing to its high market price.
19	Stunted yearlings of IMC	Farmers were shown their keen interest for Multiple stocking & harvesting method of advanced fingerlings/stunted yearlings in place of fingerlings in Composite fish culture system for enhancement of their pond productivity within less time period
20	*Pangasius sutchi* fish	Very less farmers are interested to adopt the culture practice of Pangas due to its high cost of cultivation towards feed. So more Trg. & demonstration programmes need to be conducted to enhance the knowledge regarding economic benefits of Diversified fish culture practices i.e. *Pangasius sutchi*

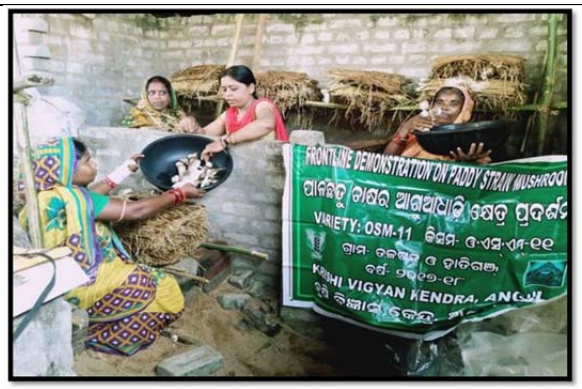
Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	26.03.2018, 23.03.2018	2	60	
2.	Farmers Training	21.08.2017, 08.11.2017, 26.12.2017, 28.02.2018, 14.09.2017, 09.01.2018, 13.02.2018, 24.02.2018, 16.8.2017, 18.9.2017-19.9.2017, 12.12.2017, 22.8.2017, 11.10.2017, 14.12.2017, 20.12.2017, 22.08.2017, 16.9.17, 22.9.17, 15.12.17, 26.2.18	20	475	
3.	Media coverage	24.03.17	1	75	
4.	Training for extension functionaries				

Action Photographs of FLDs

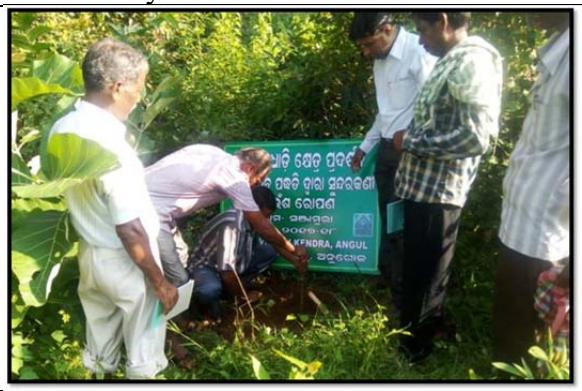
	
Cultivation of sweetcorn	Cultivation of rabi Fodder (Berseem)
	
INM in pigeonpea	Weed management in kharif maize
	
Bio intensive pest management of shoot & fruit borer in Brinjal	IPM practice for management of Spodoptera in cauliflower
	
IDM practice for management of YMV in okra	IDM practice for management of purple blotch in onion

	
Kharif onion Var- Bhima Dark Red	Marigold var-seracole
	
Backyard duckery var. Khaki campbell	Backyard poultry Palishree
	
Hybrid Napier cultivation for livestock feed management	Probiotic supplementation in CB cattle and its effect on milk yield
	
Azolla supportive feed for Milch Cow	Hand operated paddy winnower

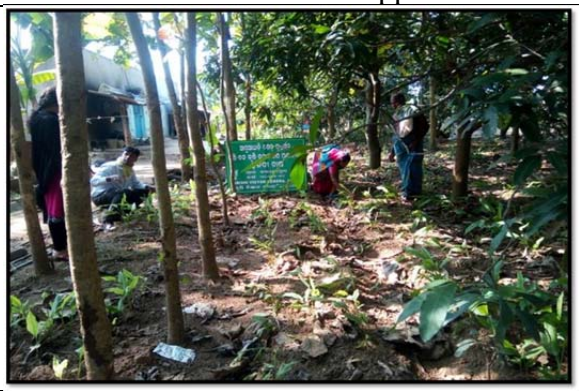


Paddy straw mushroom OSM-11

RTS from stone apple

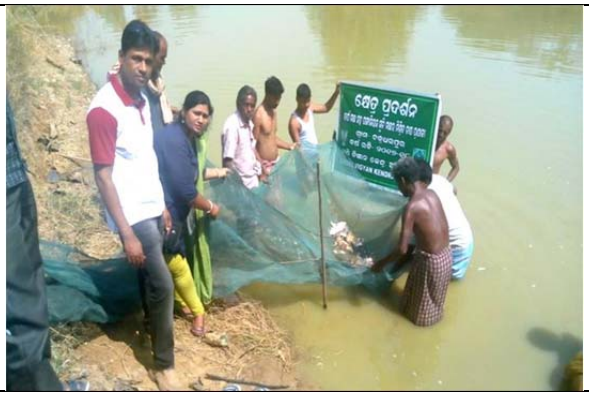


Sundarkani bamboo by rooted culm cutting method



Turmeric in teak based agroforestry system

Ornamental fish fingerling production



Pangasius sutchi with IMC

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

CFLD (Kharif' 2017)

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Blackgram	Khunti biri	5.28	190	70	-672	Use of HYV (PU 31); Seed treatment (carboxin + thiram @ 3g/kg of seed; Application of herbicides (Spraying of pendimethalin @ 2.5 Litre/ha at 1 DAS and imazethapyr@1 litre/ha at 20 DAS); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre /ha against Red Hairy caterpillar)	41	20	8.64	6.18	7.45	54.6	38.5	-61.1
2	Pigeonpea	Nali harada	10.2	215	124	-580	Use of HYV: IPCL 87119 (Asha); Seed treatment (carboxin + thiram @ 3g/kg of seed; Application of herbicides (Spraying of pendimethalin @ 2.5 Litre/ha at 1 DAS and imazethapyr@1 litre/ha at 20 DAS).	22	10	15.2	12.8	14.4	44.1	39.9	-11.1
3	Groundnut	Tinkolia	15.0	-312	38	-1000	Use of HYV : ICGV 91114(Devi); Seed treatment (carboxin+thiram @2g/kg of seed before sowing); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre /ha against Red hairy caterpillar during vegetative stage)	68	30	23.87	15.69	20.1	9.85	27.2	-24.4

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
4	Sesame	Tilei rasi	5.48	142	140	-252	Use of HYV :**Kalika**; Seed treatment (carboxin+thiram @ 2g/kg of seed before sowing) ; Application of herbicide(pendimethalin @2.5 litre/ha at 1 DAS and imazethapyr @1 litre/ha at 20 DAS); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre/ha against leaf webber and capsule borer during pod formation stage)	45	20	8.66	5.69	7.25	44.0	43.7	-10.3

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Use of HYV (PU 31); Seed treatment with carboxin+thiram; Application of herbicide(pendimethalin and imazethapyr); Plant protection measures (Application of prophenophos+ cypermethrin against leaf eating caterpiller	18600	26400	7800	1.42	22990	37250	14260	1.62
2	Use of HYV(ICPL 87119); Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin and imazethapyr)	27900	55590	27690	1.99	32800	78480	45680	2.39
3	Use of HYV : **ICGV 91114(Devi)**; Seed treatment (carboxin+thiram @2g/kg of seed before sowing); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre /ha against Red hairy caterpillar during vegetative stage)	36324	63750	27426	1.76	43481.47	85407.3	41925.83	1.96
4	Use of HYV :**Kalika**; Seed treatment (carboxin+thiram @ 2g/kg of seed before sowing) ; Application of herbicide(pendimethalin @2.5 litre/ha at 1 DAS and imazethapyr @1 litre/ha at 20 DAS); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre/ha against leaf webber and capsule borer during pod formation stage)	19430	28496	9066	1.47	23433.78	38157.81	14724.03	1.63

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Blackgram (PU 31)	14903	183	50.00	2833	4560	Social function ,Education of children	52
2	Pigeonpea (ICPL 87119)	14400	577.3	54.50	450	1250	- Social function ,Education of children, Purchase of household assets	95
3	Groundnut (ICGV 91114)	60427	447	42.50	9507	20520	Social function, Child education, House expenses	127
4	Sesame (Kalika)	14501	135	52.00	3341	5060	House expenses, Purchase of household assets, Social function	72

D. 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	HYV of Blackgram (PU 31); Seed treatment with carboxin+thiram; Application of herbicide(pendimethalin and imazethapyr); Plant protection measures (Application of prophenophos+ cypermethrin against leaf eating caterpiller	Suitable	Very good	70%	No	Yes	Timely availability of seed
2	HYV of Pigeonpea (ICPL 87119); Seed treatment with carboxin+ thiram; Application of herbicides(pendimethalin and imazethapyr)	Suitable to the existing farming system	HYV(ICPL 87119) was preferred by the farmers and effective control of weeds	75%	Pest attack and reduced pod setting	The HYV, seed treatment and weed management technology were accepted by all the beneficiaries in the group	Timely availability of seed and plant protection measures
3	Use of HYV : **ICGV 91114(Devi)**; Seed treatment (carboxin+thiram @2g/kg of seed before sowing); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre /ha against Red hairy caterpillar during vegetative stage)	Suitable to the existing farming system	HYV ICGV 9114 was preferred by the farmers and effective control of Red hairy caterpillar	75%	Weed infestation during initial stage	The HYV and pest control technology were accepted by all the beneficiaries in the group	Timely availability of seed

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
4	Use of HYV :**Kalika**; Seed treatment (carboxin+thiram @ 2g/kg of seed before sowing) ; Application of herbicide(pendimethalin @2.5 litre/ha at 1 DAS and imazethapyr @1 litre/ha at 20 DAS); Plant protection measures (Spraying of prophenophos+ cypermethrine @1 litre/ha against leaf webber and capsule borer during pod formation stage)	Suitable to the existing farming system	HYV(Kalika) was accepted by the farmers and effective control of weed during initial stage	65%	No	The HYV, weed control and pest control technologies were accepted by all the beneficiaries in the group	Timely availability of seed

E. Specific Characteristics of Technology and Performance

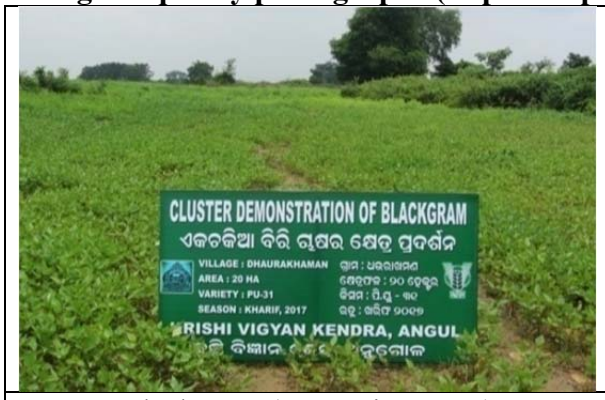
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HYV Blackgram (PU 31) released on 2008, Potential yield:12q /ha; Duration: 75-80 days, Resistant to YMV.	The demonstration performed well with higher production and profit	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check under CFLD programme resulted.	Farmers were convinced with the technology and decided to cultivate the variety (PU 31) in next season with same package of practices.
HYV Pigeonpea variety (ICPL 87119) Medium duration: 170-200 days; Plant ht:140-227 cm; 50% flowering: 110-125 days; 75% flowering: 160-202 days; seeds brown, oval; 100 seed wt: 10.2-11.2 g; Potential yield:15-16q/ha; Resistant to *fusarium* wilt and sterility mosaic	Overall the demonstration performed well with effective weed control which recorded higher pod yield and profit	Demonstrated technology of improved variety with seed treatment; weed management practices resulted higher pod yield and profit as compared to local check	Farmers accepted the HYV (ICPL 87119)) as produced higher no of pods and enhanced pod yield. They also convinced with the technology of controlling weeds. They decided to cultivate the variety (ICPL 87119)) in next season with same package of practices.
HYV Groundnut (ICGV 91114) released on 2006, Duration: 90-95 days, Potential yield:22-25q/ha; erect, semi dwarf, tolerant of mid season and end off season drought	Overall the demonstration performed well with effective pest control which recorded higher pod yield and profit	Demonstrated technology of improved variety with seed treatment; proper plant protection measures resulted higher pod yield and profit as compared to local check	Farmers accepted the HYV (ICGV 9114) as it is matured earlier and produced higher no of pods and enhanced pod yield. They also convinced with the technology of controlling red hairy caterpillar. They decided to cultivate the variety (ICGV 91114) in next season with same package of practices.
HYV Sesame (Kalika) released on 1980, Duration: 80-85 days, average yield 8q/ha, reddish black seed, oil content 49 %, resistant to leaf spot diseases	The demonstration performed satisfactory with effective weed and insect control in the initial crop stage and ultimately enhanced the pod yield and net return	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check	Farmers liked the variety (Kalika) as it produced higher yield and oil content. They were convinced with the technology of effective control of weed and insect like leaf webber and capsule borer and decided to cultivate in large scale in next season.

F. Extension activities under FLD conducted:

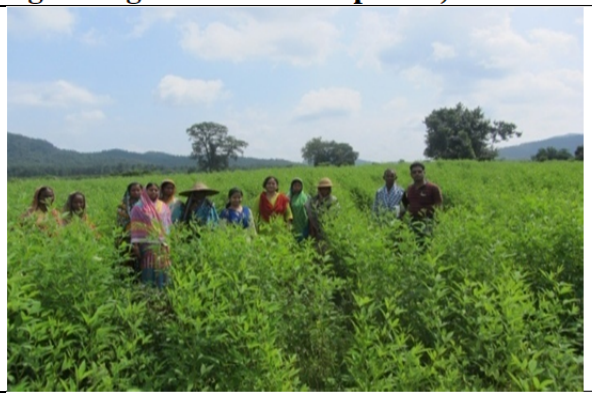
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training (Blackgram)	25.07.2017(Dhaurakhaman)	40
2	Training (Pigeonpea)	20.09.2017(Handigoda)	40
3	Field day (Blackgram)	16.09.2017(Dhaurakhaman)	80
4	Field day (Pigeonpea)	09.02.20189Handigada)	80
5	Field day(Groundnut)	16.09.2017 (Tukuda)	80
6	Field day(Sesame)	08.09.2017 (Jamunali)	80

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

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

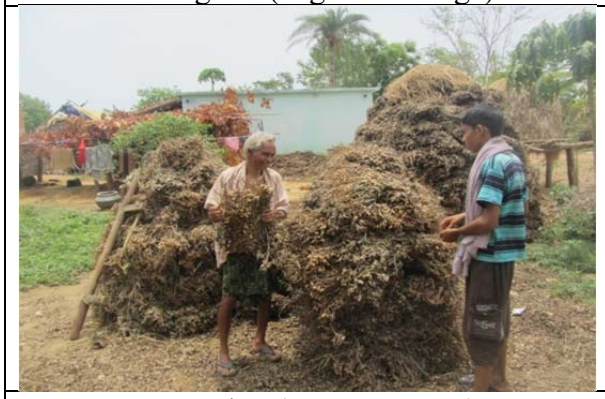


Blackgram (vegetative stage)



Pigeonpea (vegetative stage)

Groundnut (Vegetative stage)



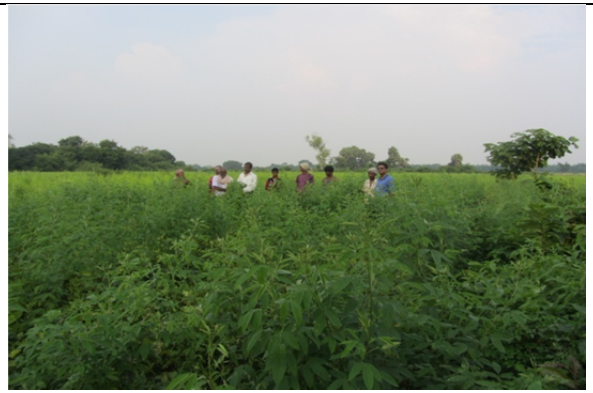
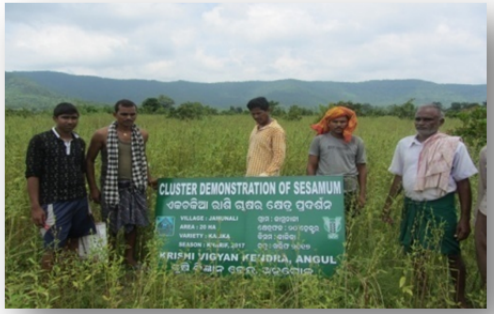
Groundnut(Harvest stage)

Sesame (Vegetative stage)

Sesame (Harvest stage)

H. Farmers' training photographs

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

		
Spraying in Blackgram field	Field visit by Joint Director Extension, OUAT to Blackgram field	Field visit by Joint Director Extension, OUAT to pigeonpea field
		
Field visit by Joint Director Extension, OUAT to pigeonpea field	Field visit(Groundnut)	Field visit(Sesame)

Field day(Blackgram)

Field day(Pigeonpea)

Field day(Groundnut)

Field day(Sesame)

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram	i) Critical input	118790	108787	10003
	ii) TA/DA/POL etc. for monitoring	22210	18407	3803
	iii) Extension Activities (Field day)	9000	9000	0
	iv)Publication of literature	0	0	0
	Total	150000	136194	13806
Pigeonpea	i) Critical input	50000	49207	793
	ii) TA/DA/POL etc. for monitoring	16000	14712	1288
	iii) Extension Activities (Field day)	9000	9000	0
	iv)Publication of literature	0	0	0
	Total	75000	72919	2081
Groundnut	i) Critical input	215000	214730	270
	ii) TA/DA/POL etc. for monitoring	34000	33266	734
	iii) Extension Activities (Field day)	6000	6000	0
	iv)Publication of literature	0	0	
	Total	**255000**	**253996**	**1004**
Sesame	i) Critical input	80200	80047	153
	ii) TA/DA/POL etc. for monitoring	13800	13506	294
	iii) Extension Activities (Field day)	6000	6000	0
	iv)Publication of literature	0	0	0
	Total	**100000**	**99553**	**447**

K. List of Farmer under FLD (Crop wise) KHARIF 17

a) Crop1 (Blackgram)

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						H	L	A		
Sanatan Pradhan	Nilamani Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-21.89	84-49-0.87	Yes	Urea(20.3 kg/ha), DAP(87.0 kg/ha), MOP(33.3 kg/ha)	Variety, Herbicides, plant protection measures	PU 31	8	8.64	6.18	7.45	5.28	41

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						H	L	A		
Sudhakar Majhi	Prahallad Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-21.47	84-49-0.74	Yes	do	do	do	8					
Khageswar Pradhan	Satyabadi Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-22.81	84-48-58.84	Yes	do	do	do	8					
Dhruba Pradhan	SartukaPradhan	Dhaurakhaman	Chhendipada	-	-	21-01-21.50	84-48-59.44	Yes	do	do	do	8					
Krushna Chandra Majhi	Jambeswar Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-24.57	84-48-59.39	Yes	do	do	do	8					
Sunil Dehury	Rabindra Dehury	Dhaurakhaman	Chhendipada	-	-	21-01-24.21	84-48-59.90	Yes	do	do	do	8					
Pati Nayak	Chaitanya Nayak	Dhaurakhaman	Chhendipada	-	-	21-01-25.31	84-48-59.83	Yes	do	do	do	8					
Banamali Nayak	Kishori Nayak	Dhaurakhaman	Chhendipada	-	-	21-01-25.66	84-49-0.34	Yes	do	do	do	8					
Ananta Pradhan	BudhhadebPradhan	Dhaurakhaman	Chhendipada	-	-	21-01-26.07	84-49-0.78	Yes	do	do	do	8					
Jaga Pradhan	Dhruba Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-26.61	84-49-1.16	Yes	do	do	do	8					
Digambar Majhi	Satyabadi Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-27.08	84-49-1.26	Yes	do	do	do	8					
Kalakar Majhi	Satyabadi Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-27.45	84-49-1.41	Yes	do	do	do	8					
Rabindra Majhi	Jambeswar Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-27.51	84-49-0.99	Yes	do	do	do	8					
Paramananda Majhi	Satyabadi Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-27.54	84-49-0.92	Yes	do	do	do	8					
Sarat Kumar Sahu	Anadi Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-27.69	84-49-0.42	Yes	do	do	do	8					
Sushanta Sahu	Anadi Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-27.78	84-48-59.82	Yes	do	do	do	8					
Dushmanta Naik	Sarbeswar Naik	Dhaurakhaman	Chhendipada	-	-	21-01-27.98	84-48-59.29	Yes	do	do	do	8					
Sarbeswar Naik	Gopal Naik	Dhaurakhaman	Chhendipada	-	-	21-01-28.10	84-48-58.93	Yes	do	do	do	8					
Karuna Sahu	Shyamaghan Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-28.20	84-48-58.68	Yes	do	do	do	8					
Subrat Majhi	Prahallad Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-28.29	84-48-58.31	Yes	do	do	do	8					
Biswaranjan Majhi	Iswar Majhi	Dhaurakhaman	Chhendipada	-	-	21-01-28.38	84-48-58.09	Yes	do	do	do	8					
Hari Pradhan	Chandrasekhar Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-27.38	84-49-1.48	Yes	do	do	do	8					

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						H	L	A		
Kshetrabasi Sahu	Kuha Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-27.24	84-49-2.20	Yes	do	do	do	8					
Kalakar Pradhan	Dolagobinda Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-28.07	84-49-2.77	Yes	do	do	do	8					
Sushil Sahu	Kshetrabasi Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-28.22	84-49-2.05	Yes	do	do	do	8					
Maheswar Pradhan	Gobinda Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-28.33	84-49-1.70	Yes	do	do	do	8					
Papun Pradhan	Maheswar Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-28.35	84-49-1.68	Yes	do	do	do	8					
Gobinda Pradhan	Shyama Pradhan	Dhaurakhaman	Chhendipada	-	-	21-01-28.52	84-49-1.21	Yes	do	do	do	8					
Giridhari Sahu	Naran Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-29.17	84-49-1.32	Yes	do	do	do	8					
Raj Kishore Sahu	Naran Sahu	Dhaurakhaman	Chhendipada	-	-	21-01-29.71	84-49-1.55	Yes	do	do	do	8					
Prasanna Dehury	Kastu Dehury	Dhaurakhaman	Chhendipada	-	-	21-01-30.22	84-49-1.78	Yes	do	do	do	8					
Bansidhar Naik	Gopal Naik	Dhaurakhaman	Chhendipada	-	-	21-01-29.98	84-49-2.51	Yes	do	do	do	8					
Suresh Kendal	Prakash Kendal	Dhaurakhaman	Chhendipada	-	-	21-01-29.79	84-49-2.92	Yes	do	do	do	8					
Brundaban Behera	Kamara Behera	Dhaurakhaman	Chhendipada	-	-	21-01-29.59	84-49-3.67	Yes	do	do	do	16					
Udaya Naik	Dola Naik	Dhaurakhaman	Chhendipada	-	-	21-01-29.52	84-49-4.07	Yes	do	do	do	16					
Prahallad Naik	Jagabandhu Naik	Dhaurakhaman	Chhendipada	-	-	21-01-29.99	84-49-3.92	Yes	do	do	do	16					
Bijay Naik	Dola Naik	Dhaurakhaman	Chhendipada	-	-	21-01-30.03	84-49-4.01	Yes	do	do	do	16					
Kandarpa Naik	Thengu Naik	Dhaurakhaman	Chhendipada	-	-	21-01-30.27	84-49-3.38	Yes	do	do	do	16					
Banambar Naik	Muralidhar Naik	Dhaurakhaman	Chhendipada	-	-	21-01-30.43	84-49-2.86	Yes	do	do	do	16					
Biti Nayak	Sambhu Naik	Dhaurakhaman	Chhendipada	-	-	21-01-30.46	84-49-2.59	Yes	do	do	do	16					
Murali Naik	Dhoba Naik	Dhaurakhaman	Chhendipada	-	-	21-01-32.47	84-49-2.93	Yes	do	do	do	16					

b) Crop: 2 (Pigeonpea)

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						H	L	A		
Kishori Dehury	Banamali Dehury	Handigoda	Chhendipada			21-02-13.10	84-49-23.21	Yes	Urea(11.8 kg/ha), DAP(108.7 kg/ha), MOP(33.3 kg/ha)	Variety, Herbicides,	ICPL 87119 (Asha)		-	-	-	9.50	-
Bijay Kumar Majhi	Khageswar Majhi	Handigoda	Chhendipada			21-02-13.41	84-49-23.29	Yes	do	do	do						
Balaram Majhi	Surendra Majhi	Handigoda	Chhendipada			21-02-12.79	84-49-22.88	Yes	do	do	do						
Sanjay Kumar Majhi	Hrudananda Majhi	Handigoda	Chhendipada			21-02-11.75	84-49-23.03	Yes	do	do	do						
Basanta Majhi	Surendra Majhi	Handigoda	Chhendipada			21-02-11.90	84-49-22.93	Yes	do	do	do						
Gokuli Majhi	Iswar Majhi	Handigoda	Chhendipada			21-02-11.39	84-49-22.95	Yes	do	do	do						
Rabi Majhi	Iswar Majhi	Handigoda	Chhendipada			21-02-10.97	84-49-22.88	Yes	do	do	do						
Pramod Majhi	Surendra Majhi	Handigoda	Chhendipada			21-02-10.52	84-49-22.81	Yes	do	do	do						
Ramesh Majhi	Daitari Majhi	Handigoda	Chhendipada			21-02-10.79	84-49-22.76	Yes	do	do	do						
Kastis Majhi	Surendra Majhi	Handigoda	Chhendipada			21-02-10.13	84-49-22.72	Yes	do	do	do						
Rohita Naik	Hari Naik	Handigoda	Chhendipada			21-02-10.10	84-49-23.96	Yes	do	do	do						
Kushadhar Naik	Brushav Naik	Handigoda	Chhendipada			21-02-8.89	84-49-23.79	Yes	do	do	do						
Bulu Naik	Prahallad Naik	Handigoda	Chhendipada			21-02-8.24	84-49-23.54	Yes	do	do	do						
Chandrakanta Naik	Meghanad Naik	Handigoda	Chhendipada			21-02-7.68	84-49-23.34	Yes	do	do	do						
Mahendra Naik	Janak Naik	Handigoda	Chhendipada			21-02-7.36	84-49-23.26	Yes	do	do	do						
Biswanath Naik	Janak Naik	Handigoda	Chhendipada			21-02-12.74	84-49-26.47	Yes	do	do	do						
Udaya Naik	Binika Naik	Handigoda	Chhendipada			21-02-12.18	84-49-27.67	Yes	do	do	do						
Iswar Naik	Kamar Naik	Handigoda	Chhendipada			21-02-12.10	84-49-27.82	Yes	do	do	do						
Bansi Naik	Jaya Naik	Handigoda	Chhendipada			21-02-11.65	84-49-28.73	Yes	do	do	do						
Jagabandhu Naik	Nanda Naik	Handigoda	Chhendipada			21-02-11.32	84-49-31.26	Yes	do	do	do						

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						H	L	A		
Pramod Nayak	Bhaktabandhu Nayak	Handigoda	Chhendipada			21-02-12.26	84-49-28.97	Yes	do	do	do						
Biranchi Nayak	Bhaktabandhu Nayak	Handigoda	Chhendipada			21-02-10.69	84-49-27.00	Yes	do	do	do						

C) Crop :3 (Groundnut)

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						H	L	A		
Naresh Chandra Sahu	Jeeban Sahu	Tukuda	Chhendipada	9937759127		20-52-54.68	84-54-13.85	Yes	Urea (0.9 kg/ha), DAP (108.7 kg/ha), MOP (66.7 kg/ha)	Variety, plant protection measures	ICGV 91114	60	23.87	15.69	20.1	15.0	34
RatnakarSahu	Sripati Sahu	Tukuda	Chhendipada			20-52-54.78	84-54-12.47					60					
Sarat Chandra Sahu	Jeeban Sahu	Tukuda	Chhendipada			20-52-55.05	84-54-11.86		do	do	do	60					
SibaramSahu	Sudhakar Sahu	Tukuda	Chhendipada			20-52-56.02	84-54-12.22		do	do	do	60					
Ramesh Chandra Sahu	Sripati Sahu	Tukuda	Chhendipada			20-52-56.54	84-54-12.01		do	do	do	60					
Ashok Kumar Sahu	Bauri Sahu	Tukuda	Chhendipada			20-52-57.10	84-54-11.91		do	do	do	60					
DayanidhiSahu	Joginath Sahu	Tukuda	Chhendipada			20-52-57.56	84-54-12.05		do	do	do	60					
Nanda Kishore Sahu	Joginath Sahu	Tukuda	Chhendipada			20-52-58.34	84-54-12.07		do	do	do	60					
HemantaSahu	Sripati Sahu	Tukuda	Chhendipada			20-52-59.56	84-54-11.50		do	do	do	60					
Prakash Chandra Sahu	Joginath Sahu	Tukuda	Chhendipada			20-52-59.72	84-54-12.02		do	do	do	60					
Ranjit Kumar Sahu	Mayadhar Sahu	Tukuda	Chhendipada			20-52-59.67	84-54-11.39		do	do	do	60					
KshirodSahu	Gangadhar Sahu	Tukuda	Chhendipada			20-52-59.95	84-54-12.31		do	do	do	60					
AbhiramSahu	Mayadhar Sahu	Tukuda	Chhendipada			20-52-0.28	84-54-11.34		do	do	do	60					
SubuddhiSahu	Arjuna Sahu	Tukuda	Chhendipada			20-52-1.22	84-54-10.75		do	do	do	60					

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						H	L	A		
NayanSahu	Lokanath Sahu	Tukuda	Chhendipada			20-52-1.47	84-54-11.81		do	do	do	60					
Ajay Kumar Sahu	Maguni Sahu	Tukuda	Chhendipada			20-52-1.78	84-54-11.42		do	do	do	60					
AnathPradhan	Choudhury Pradhan	Tukuda	Chhendipada			20-52-1.98	84-54-11.38		do	do	do	60					
DurgaCharanSahu	Brundaban Sahu	Tukuda	Chhendipada			20-52-2.38	84-54-11.71		do	do	do	60					
Prasant Kumar Sahu	Dhruba Charan Sahu	Tukuda	Chhendipada			20-52-2.17	84-54-11.82		do	do	do	60					
Akshaya Kumar Sahu	Narayan Sahu	Tukuda	Chhendipada			20-52-5.09	84-54-10.22		do	do	do	60					
PrasannaSahu	Kumar Sahu	Tukuda	Chhendipada			20-52-5.08	84-54-10.20		do	do	do	60					
Bharat Sahu	Netrananda Sahu	Tukuda	Chhendipada			20-52-6.16	84-54-12.35		do	do	do	60					
Narayan Sahu	Chemar Sahu	Tukuda	Chhendipada			20-52-5.91	84-54-13.03		do	do	do	60					
JayantiSahu	Naresh Sahu	Tukuda	Chhendipada			20-52-6.04	84-54-13.37		do	do	do	60					
BharatiSahu	Hemanta Sahu	Tukuda	Chhendipada			20-52-6.29	84-54-13.35		do	do	do	60					
RajendraSahu	Bichhanda Sahu	Tukuda	Chhendipada			20-52-6.40	84-54-13.36		Urea (28.8 kg/ha), DAP (65.2 kg/ha), MOP (66.7 kg/ha)	do	do	60					
SushilSahu	Rajendra Sahu	Tukuda	Chhendipada			20-52-5.99	84-54-14.58		do	do	do	60					
UrmilaSahu	Dibakar Sahu	Tukuda	Chhendipada			20-52-6.42	84-54-15.17		do	do	do	60					
GokulanandaSahu	Sudam Sahu	Tukuda	Chhendipada			20-52-6.31	84-54-15.53		do	do	do	60					
BauriSahu	Bhuban Sahu	Tukuda	Chhendipada			20-52-6.84	84-54-17.27		do	do	do	60					
PadmabatiSahu	Ratnakar Sahu	Tukuda	Chhendipada			20-52-6.04	84-54-19.05		do	do	do	60					
MuraliSahu	Gundicha Sahu	Tukuda	Chhendipada			20-52-7.41	84-54-16.12		do	do	do	60					
Kumar Sahu	Buddhia Sahu	Tukuda	Chhendipada			20-52-3.21	84-54-16.47		do	do	do	60					
SantoshSahu	Maguni Sahu	Tukuda	Chhendipada			20-52-1.03	84-54-17.52		do	do	do	60					
SoumyaRanjanSahu	Niranjan Sahu	Tukuda	Chhendipada			20-52-0.13	84-54-16.31		do	do	do	60					

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						H	L	A		
Pratap Kumar Pradhan	Lokanath Pradhan	Tukuda	Chhendipada	9777194818		20-52-1.61	84-54-17.59		do	do	do	60					
BirenSahu	Banambar Sahu	Tukuda	Chhendipada			20-52-0.69	84-54-16.02		do	do	do	60					
Ali Sahu	Kanduru Sahu	Tukuda	Chhendipada			20-52-58.97	84-54-16.85		do	do	do	60					
NaruttamSahu	Padia Sahu	Tukuda	Chhendipada			20-52-59.06	84-54-16.73		do	do	do	60					
MahargiSahu	Anama Sahu	Tukuda	Chhendipada			20-52-58.36	84-54-16.41		do	do	do	60					
SatyabanPradhan	Pratap Pradhan	Tukuda	Chhendipada	9777218180		20-52-57.94	84-54-16.95		do	do	do	60					
MamataPradhan	Sahadeb Pradhan	Tukuda	Chhendipada			20-52-57.48	84-54-17.10		do	do	do	60					
ChhabiSahu	Mayadhar Sahu	Tukuda	Chhendipada			20-52-57.05	84-54-17.10		do	do	do	60					
SarojBehera	Bhagaban Behera	Tukuda	Chhendipada			20-52-56.69	84-54-17.40		do	do	do	60					
KudaniSahu	Anam Sahu	Tukuda	Chhendipada			20-52-55.82	84-54-17.78		do	do	do	60					
BasistaSahu	Mitu Sahu	Tukuda	Chhendipada	9777426982		20-52-55.70	84-54-18.22		do	do	do	60					
Keshab Chandra Dehury	Kulamani Dehury	Tukuda	Chhendipada			20-52-55.64	84-54-18.09		do	do	do	60					
BirabarPradhan	Ratnakar Pradhan	Tukuda	Chhendipada	9687118390		20-52-59.49	84-54-21.35		do	do	do	60					
BalakrishnaSahu	Raghunath Sahu	Tukuda	Chhendipada			20-52-54.34	84-54-17.93		do	do	do	60					
Bharat Chandra Dehury	Rama Chandra Dehury	Tukuda	Chhendipada			20-52-52.59	84-54-16.21		do	do	do	60					
LipiPradhan	Chagala Pradhan	Tukuda	Chhendipada			20-52-53.82	84-54-17.05		do	do	do	60					
SourindhriSahu	Digambar Sahu	Tukuda	Chhendipada			20-52-53.09	84-54-17.64		do	do	do	60					
GurubariaPradhan	Panchu Pradhan	Tukuda	Chhendipada			20-52-52.48	84-54-17.31		do	do	do	60					
GourahariSahu	Punia Sahu	Tukuda	Chhendipada			20-52-51.81	84-54-17.30		do	do	do	60					
PrafullaSahu	Dukhabandhu Sahu	Tukuda	Chhendipada			20-52-50.84	84-54-17.15		do	do	do	60					
Deba Das	Chaitan Das	Tukuda	Chhendipada			20-52-50.57	84-54-17.77		do	do	do	60					
SanatanRana	Naga Rana	Tukuda	Chhendipada			20-52-50.31	84-54-18.42		do	do	do	60					

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						H	L	A		
Prasant Kumar Sahu	Brajabandhu Sahu	Tukuda	Chhendipada			20-52-50.24	84-54-18.89		do	do	do	60					
Jeeban Das	Chaitan Das	Tukuda	Chhendipada			20-52-50.23	84-54-19.39		do	do	do	60					
Naba Das	Kandia Das	Tukuda	Chhendipada			20-52-47.39	84-54-25.04		do	do	do	60					
NarottamSahu	Ratnakar Sahu	Tukuda	Chhendipada			20-52-51.73	84-54-21.15		do	do	do	60					
JayakrushnaPradhan	Danei Pradhan	Tukuda	Chhendipada			20-52-49.82	84-54-17.85		do	do	do	120					
PramodSahu	Pandit Sahu	Tukuda	Chhendipada			20-52-50.45	84-54-16.35		do	do	do	120					
Siba Das	Chaitan Das	Tukuda	Chhendipada			20-52-57.15	84-54-17.51		do	do	do	120					
NareshRana	Mayadhar Rana	Tukuda	Chhendipada			20-52-55.43	84-54-14.68		do	do	do	120					
BichitraSahu	Ganeswar Sahu	Tukuda	Chhendipada			20-52-59.36	84-54-13.85		do	do	do	120					
PrafullaRana	Rushi Rana	Tukuda	Chhendipada			20-52-58.72	84-54-12.25		do	do	do	120					
HrudanandaSahu	Lokanath Sahu	Tukuda	Chhendipada	9937759127		20-52-52.41	84-54-14.85		do	do	do	120					

d) Crop: 4 (Sesame)

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						H	L	A		
Sanatan Pradhan	Nilamani Pradhan	Jamunali	Chhendipada			21-01-9.97	84-48-55.73	Yes	Urea (68.8 kg/ha), DAP (32.6 kg/ha), MOP (25.0 kg/ha)	Variety, Herbicides, plant protection measures	Kalika	4 kg	8.66	5.69	7.25	5.48	32
Sudhakar Majhi	Prahallad Majhi	Jamunali	Chhendipada			21-01-9.99	84-48-55.76		do	do	do	4 kg					
Khageswar Pradhan	Satyabadi Pradhan	Jamunali	Chhendipada			21-01-9.60	84-48-55.86		do	do	do	4 kg					
Dhruba Pradhan	Mangulu Pradhan	Jamunali	Chhendipada			21-01-9.14	84-48-55.67		do	do	do	4 kg					
Krushna Chandra Majhi	Jambeswar Majhi	Jamunali	Chhendipada			21-01-8.99	84-48-55.65		do	do	do	4 kg					

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						H	L	A		
Sunil Dehury	Rabindra Dehury	Jamunali	Chhendipada			21-01-8.71	84-48-55.55		do	do	do	4 kg					
Pati Naik	Chaitanya Naik	Jamunali	Chhendipada			21-01-8.71	84-48-55.57		do	do	do	4 kg					
BanamaliNaik	Kishori Naik	Jamunali	Chhendipada			21-01-8.37	84-48-55.56		do	do	do	4 kg					
Ananta Kumar Pradhan	Buddhadeb Pradhan	Jamunali	Chhendipada			21-01-8.38	84-48-55.54		do	do	do	4 kg					
JagaPradhan	Dhruba Pradhan	Jamunali	Chhendipada			21-01-8.53	84-48-55.58		do	do	do	4 kg					
DigambarMajhi	Satyabadi Majhi	Jamunali	Chhendipada			21-01-8.53	84-48-55.63		do	do	do	4 kg					
KalakarMajhi	Satyabadi Majhi	Jamunali	Chhendipada			21-01-9.65	84-48-54.77		do	do	do	4 kg					
RabindraMajhi	Jambeswar Majhi	Jamunali	Chhendipada			21-01-9.04	84-48-54.69		do	do	do	4 kg					
ParamanandaMajhi	Satyabadi Majhi	Jamunali	Chhendipada			21-01-8.75	84-48-53.74		do	do	do	4 kg					
TankadharBehera	Saheb Behera	Jamunali	Chhendipada			21-01-8.80	84-48-51.54		do	do	do	4 kg					
BuddhadebPradhan	Mohan Pradhan	Jamunali	Chhendipada			21-01-8.57	84-48-50.76		do	do	do	4 kg					
Sarat Kumar Sahu	Anadi Sahu	Jamunali	Chhendipada			21-01-8.54	84-48-49.99		do	do	do	4 kg					
Sushant Kumar Sahu	Anadi Sahu	Jamunali	Chhendipada			21-01-8.37	84-48-49.11		do	do	do	4 kg					
DushmantaMajhi	Digambar Majhi	Jamunali	Chhendipada			21-01-8.13	84-48-48.26		do	do	do	4 kg					
DushmantaNaik	Sarbeswar Naik	Jamunali	Chhendipada			21-01-7.93	84-48-47.58		do	do	do	4 kg					
SarbeswarNaik	Gopal Naik	Jamunali	Chhendipada			21-01-7.89	84-48-46.90		do	do	do	4 kg					
Kumar Naik	Sudarshan Naik	Jamunali	Chhendipada			21-01-7.80	84-48-46.33		do	do	do	4 kg					
KarunaSahu	Shyamaghan Sahu	Jamunali	Chhendipada			21-01-8.41	84-48-46.56		do	do	do	4 kg					
PapuSahu	Karuna Sahu	Jamunali	Chhendipada			21-01-9.17	84-48-47.03		do	do	do	4 kg					
PrahalladMajhi	Chandramani Majhi	Jamunali	Chhendipada			21-01-9.46	84-48-46.92		do	do	do	4 kg					
BiswaranjanMajhi	Iswar Majhi	Jamunali	Chhendipada			21-01-9.47	84-48-46.93		do	do	do	4 kg					
KabichandraSahu	Kamar Sahu	Jamunali	Chhendipada			21-01-9.86	84-48-46.72		do	do	do	4 kg					

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						H	L	A		
BibhutiBhushanSahu	Maharga Sahu	Jamunali	Chhendipada			21-01-9.89	84-48-46.77		do	do	do	4 kg					
BatuPradhan	Dukhabandhu Pradhan	Jamunali	Chhendipada			21-01-10.27	84-48-46.76		do	do	do	4 kg					
KanhuCharanDehury	Mahendra Dehury	Jamunali	Chhendipada			21-01-10.39	84-48-47.39		do	do	do	4 kg					
Ramesh Pradhan	Birabar Pradhan	Jamunali	Chhendipada			21-01-10.83	84-48-47.40		do	do	do	4 kg					
JanakaMajhi	Laxmidhar Majhi	Jamunali	Chhendipada			21-01-11.71	84-48-46.95		do	do	do	4 kg					
DukhabandhuPradhan	Mohan Pradhan	Jamunali	Chhendipada			21-01-12.14	84-48-47.67		do	do	do	4 kg					
BibhutiMajhi	Janaka Majhi	Jamunali	Chhendipada			21-01-12.46	84-48-48.40		do	do	do	4 kg					
ManamohanMajhi	Antaryami Majhi	Jamunali	Chhendipada			21-01-12.46	84-48-48.38		do	do	do	4 kg					
SubashPradhan	Gunanidhi Pradhan	Jamunali	Chhendipada			21-01-12.86	84-48-48.45		do	do	do	4 kg					
MaheswarPradhan	Nabina Pradhan	Jamunali	Chhendipada			21-01-12.99	84-48-50.41		do	do	do	4 kg					
Purna Chandra Pradhan	Satrughna Pradhan	Jamunali	Chhendipada			21-01-13.05	84-48-50.60		do	do	do	4 kg					
DasarathiPradhan	Dharani Pradhan	Jamunali	Chhendipada			21-01-13.45	84-48-51.37		do	do	do	4 kg					
MuraliMajhi	Debaraj Majhi	Jamunali	Chhendipada			21-01-13.73	84-48-52.00		do	do	do	4 kg					
SudamSahu	Gopinath Sahu	Jamunali	Chhendipada			21-01-14.89	84-48-53.54		do	do	do	8					
Sunil Kumar Pradhan	Padmanabh Pradhan	Jamunali	Chhendipada			21-01-15.23	84-48-53.92		do	do	do	8 kg					
Santosh Kumar Majhi	Dushasan Majhi	Jamunali	Chhendipada			21-01-15.48	84-48-47.75		do	do	do	8 kg					
SumantaMajhi	Gagan Majhi	Jamunali	Chhendipada			21-01-13.64	84-48-46.82		do	do	do	8 kg					
HemantaSahu	Jambeswar Sahu	Jamunali	Chhendipada			21-01-12.75	84-48-50.23		do	do	do	8 kg					

CFLD, Rabi 2017-18

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Greengram	Kala Mung	5.26	74	50	-674	HYV (IPM 02-14); Seed treatment (carboxin + thiram @ 3g/kg of seed); Application of herbicides (Spraying of imazethapyr@1 litre/ha at 20 DAS); Timely plant protection measures (Spraying of prophenophos @2ml/litre against foliage beetles during vegetative stage, thiamethoxam @ 125g/ha against aphids during vegetative stage and white flies during maturity stage)	45	20	8.32	6.25	7.58	67.7	59.2	-36.8
2	Groundnut	Tinkolia	20.0	55	64	-2000	Use of HYV : **Kadiri 6 (K 1240)**; Seed treatment (carboxin+thiram @2g/kg of seed before sowing)	48	20	26.4	20.8	25.3	23.1	23.5	-58.1

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	HYV (IPM 02-14); Seed treatment (carboxin + thiram @ 3g/kg of seed); Application of herbicides (Spraying of imazethapyr@1 litre/ha at 20 DAS); Timely plant protection measures (Spraying of prophenophos @2ml/litre against foliage beetles during vegetative stage, thiamethoxam @ 125g/ha against aphids during vegetative stage and white flies during maturity stage)	21638	29324.5	7686	1.35	22508	42258.5	19750.5	1.88
2	Use of HYV : **Kadiri 6(K 1240)**; Seed treatment (carboxin+thiram @2g/kg of seed before sowing)	37625	89000	51375	2.36	44900	112585	67685	2.51

Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Greengram (IPM 02-14)	15160	230	70	300	4510	Social function ,Education of children	54
2	Groundnut (Kadiri 6)	50600	540.6	44.50	7500	17150	Social function Child education House expenses	130

J. 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	HYV (IPM 02-14); Seed treatment with carboxin + thiram, Application of herbicide (imazethapyr), Timely plant protection measures (application of prophenophos against foliage beetles & thiamethoxam against aphids and whiteflies)	Suitable to the existing farming system	HYV IPM 02-14 was preferred by the farmers and effective control of weeds, diseases & pests	75%	Weed infestation during initial stage	The HYV and pest control technology were accepted by all the beneficiaries in the group	Timely availability of seed
2	Use of HYV : **Kadiri 6(K 1240)**; Seed treatment (carboxin+thiram @2g/kg of seed before sowing)	Suitable to the existing farming system	HYV Kadiri 6 was preferred by the farmers and effective control of leaf miner	72%	Weed infestation during initial stage	The HYV and seed treatment technology were accepted by all the beneficiaries in the group	Timely availability of seed

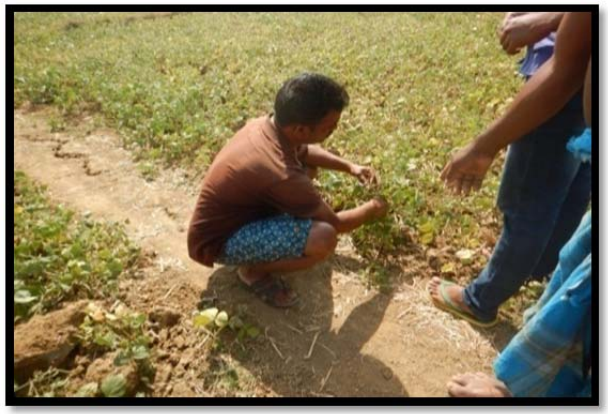
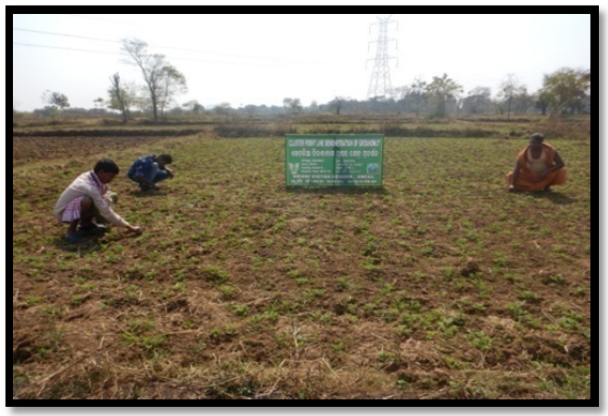
K. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HYV Greengram (IPM 02-14) released on 2011 by PDKV, Akola, Potential yield:12q /ha; Duration: 62-70 days, Resistant to MYMV, large seed, suitable for rabi & summer	Overall the demonstration performed well with effective pest control which recorded higher pod yield and profit	Demonstrated technology of improved variety with seed treatment; weed control, proper plant protection measures resulted higher pod yield and profit as compared to local check	Farmers accepted the HYV (IPM 02-14) as it is matured earlier and produced higher no of pods and enhanced pod yield. They also convinced with the technology of controlling weeds, diseases and pests. They decided to cultivate the variety (IPM 02-14) in next season with same package of practices.
HYV Groundnut: Kadiri 6 (K 1240); released by ANGRAU, 2005; Duration: 100-105 days, 50% flowering: 33 days; Recommended for both *kharif&rabi*; Short statured, erect type with four primaries; Spanish bunch with leaflets large;oblong in shape; uniform maturity; Average yield:18-24q/ha; Potential yield(20-22 q/ha during k*harif* and 40-42.5 q/ha during *rabi*; Oil content:48 %; 100 kernel wt: 42 g; tolerant to leaf spots and mid season and end off season drought.	Overall the demonstration performed well with higher pod yield and profit	Demonstrated technology of improved variety with seed treatmentresulted higher pod yield and profit as compared to local check	Farmers accepted the HYV (Kadiri 6) as it is matured earlier, tolerant to drought and produced higher no of pods and enhanced pod yield. They decided to cultivate the variety (Kadiri6)in next season in large scale.

L. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training (Greengram)	05.01.2018 (Chakradharpur)	40
2	Field day (Greengram)	15.02.2018 (Chakradharpur	80
3	Field day(Groundnut)	29.03.2018 (Samakoi)	80

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

		
Greengram (Pod formation stage	Greengram (Pest attack)	Vegetative stage (Groundnut)
		
Vegetative stage (Groundnut)	Vegetative stage (Groundnut)	Pre flowering stage(Groundnut)

9. Farmers' training photographs

	
Greengram (Training) on 05.01.18	Greengram (Training) on 05.01.18

10. Quality Photographs of field visits/ field days and technology demonstrated.

		
Field visit of Dist Agril. Officials (greengram)	Field activity(greengram)	Crop cutting (greengram)

Field day (greengram)

Crop cutting activity(greengram)

Field visit with Dist. Agril officials

Field day on dt.29.03.2018

11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Greengram	i) Critical input	92900	92900	0
	ii) TA/DA/POL etc. for monitoring	25275	16875	8400
	iii) Extension Activities (Field day)	9000	3000	6000
	iv)Publication of literature	22825	0	22825
	Total	150000	112775	37225
Groundnut	i) Critical input	145500	145380	120
	ii) TA/DA/POL etc. for monitoring	18500	17975	525
	iii) Extension Activities (Field day)	6000	6000	0
	iv)Publication of literature	0	0	0
	Total	**170000**	**169355**	**645**

12. List of Farmer under FLD (Crop wise)

a) Crop1 (Greengram)

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						H	L	A		
Chandra Sekhara Pradhan,	Khiramohan Pradhan,	Chakradharpur	Chhendipada	7064955753	-	20° 59' 35.72"	84° 57' 43.85"	Yes	Urea (20.3 kg/ha), DAP (87.0 kg/ha), MOP (33.3 kg/ha)	Variety, Seed treatment, Rhizobium culture, Herbicides, plant protection measures	IPM 02-14	16 kg	8.32	6.25	7.58	5.26	44.1
Prafulla Pradhan,	Gangadhara Pradhan,	do	do		-	20° 59' 25.14"	84° 57' 44.51"	Yes	do	do	do	8 kg	-	-	-	-	-
Hemant Sahu,	Bajia Sahu,	do	do		-	20° 59' 29.58"	84° 57' 44.72"	Yes	do	do	do	8 kg	-	-	-	-	-
Bhabagrahi Pradhan,	Rabindra Pradhan,	do	do	8658798221	-	20° 59' 24.29"	84° 57' 44.60"	Yes	do	do	do	8 kg	-	-	-	-	-
Batakrushna Sahu,	Bajia Sahu,	do	do		-	20° 59' 28.38"	84° 57' 44.62"	Yes	do	do	do	8 kg	-	-	-	-	-
Rajkishore Pradhan,	Birabar Pradhan,	do	do	7326906518	-	20° 59' 36.66	84° 57' 41.79"	Yes	do	do	do	16 kg	-	-	-	-	-
Madhab Chandra Pradhan,	Birabar Pradhan,	do	do	8455924282	-	20° 59' 34.90"	84° 57' 44.66"	Yes	do	do	do	16 kg	-	-	-	-	-

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						H	L	A		
Arabinda Pradhan,	Laxmidhara Pradhan,	do	do	743893 6387	-	20° 59' 17.66"	84° 57' 43.04"	Yes	do	do	do	8 kg	-	-	-	-	-
Kamal Pradhan,	Ganeswar Pradhan,	do	do		-	20° 59' 30.26"	84° 57' 44.24"	Yes	do	do	do	8 kg	-	-	-	-	-
Kastu Pradhan,	Golekha Pradhan,	do	do		-	20° 59' 34.99"	84° 57' 41.57"	Yes	do	do	do	8 kg	-	-	-	-	-
Tarak Chandra Pradhan,	Ganeswar Pradhan,	do	do		-	20° 59' 34.85"	84° 57' 42.17"	Yes	do	do	do	16 kg	-	-	-	-	-
Akhila Chandra Pradhan,	Ganeswar Pradhan,	do	do	917804 1677	-	20° 59' 25.55"	84° 57' 44.57"	Yes	do	do	do	8 kg	-	-	-	-	-
Bijay Pradhan,	Baikuntha Pradhan,	do	do		-	20° 59' 18.21"	84° 57' 42.76"	Yes	do	do	do	8 kg	-	-	-	-	-
Bauri Pradhan,	Baikuntha Pradhan,	do	do	955635 5561	-	20° 59' 27.92"	84° 57' 44.67"	Yes	do	do	do	8 kg	-	-	-	-	-
Alekha Pradhan,	Ganeswar Pradhan,	do	do	907853 2307	-	20° 59' 35.26"	84° 57' 43.81"	Yes	do	do	do	8 kg	-	-	-	-	-
Dharanidhar Sahu,	Bajia Sahu,	do	do	977756 0284	-	20° 59' 30.18"	84° 57' 43.81"	Yes	do	do	do	16 kg	-	-	-	-	-
Bishnu Charan Pradhan,	Trilochan Pradhan,	do	do	865880 8426	-	20° 59' 30.23"	84° 57' 44.64"	Yes	do	do	do	8 kg	-	-	-	-	-
Biswajit Pradhan,	Bipin Bihari,	do	do	911422 6887	-	20° 59' 26.56"	84° 57' 45.31"	Yes	do	do	do	8 kg	-	-	-	-	-
Dukhabandhu Pradhan,	Trilochan Pradhan,	do	do	977800 6676	-	20° 59' 29.24"	84° 57' 44.79"	Yes	do	do	do	8 kg	-	-	-	-	-
Brundaban Pradhan,	Pabitra Pradhan,	do	do	993723 4640	-	20° 59' 26.21"	84° 57' 44.57"	Yes	do	do	do	8 kg	-	-	-	-	-
Sanjeev Kumar Pradhan,	Sankarsana Pradhan,	do	do	774900 0221	-	20° 59' 31.88"	84° 57' 44.68"	Yes	do	do	do	8 kg	-	-	-	-	-

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						H	L	A		
Ajay Kumar Pradhan,	Baikuntha Pradhan,	do	do		-	20° 59' 28.75"	84° 57' 44.50"	Yes	do	do	do	8 kg	-	-	-	-	-
Hara Mohan Pradhan,	Pabitra Pradhan,	do	do		-	20° 59' 30.43"	84° 57' 44.87"	Yes	do	do	do	8 kg	-	-	-	-	-
Prabhakar Pradhan,	Bhikari Pradhan,	do	do		-	20° 59' 32.27"	84° 57' 44.79"	Yes	do	do	do	8 kg	-	-	-	-	-
Chittaranjan Pradhan,	Rabindra Pradhan,	do	do	7751017808	-	20° 59' 37.54"	84° 57' 42.02"	Yes	do	do	do	8 kg	-	-	-	-	-
Madan Sahoo,	Achutananda Sahoo,	do	do	9938366630	-	20° 59' 26.25"	84° 57' 44.92"	Yes	Urea (11.8 kg/ha), DAP (108.7 kg/ha), MOP (33.3 kg/ha)	do	do	8 kg	-	-	-	-	-
Damodar Pradhan,	Bhagaban Pradhan,	do	do	8658164385	-	20° 59' 17.74"	84° 57' 42.76"	Yes	do	do	do	8 kg	-	-	-	-	-
Ashok Kumar Sahoo,	Abhiram Sahu,	do	do	8658478599	-	20° 59' 33.05"	84° 57' 44.77"	Yes	do	do	do	8 kg	-	-	-	-	-
Hrudananda Pradhan	Pabitra Pradhan,	do	do	9937837978	-	20° 59' 17.51"	84° 57' 42.99"	Yes	do	do	do	8 kg	-	-	-	-	-
Charan Pradhan,	Pathani Pradhan,	do	do		-	20° 59' 34.85"	84° 57' 41.92"	Yes	do	do	do	8 kg	-	-	-	-	-
Rangabati Pradhan,	ApindraPradhan,	do	do		-	20° 59' 34.96"	84° 57' 43.94"	Yes	do	do	do	8 kg	-	-	-	-	-
Jadab Pradhan	Birabar Pradhan,	do	do	7077855912	-	20° 59' 33.21"	84° 57' 44.77"	Yes	do	do	do	8 kg	-	-	-	-	-
Shyam Ghana Pradhan,	Bhagaban Pradhan,	do	do		-	20° 59' 19.11"	84° 57' 42.93"	Yes	do	do	do	8 kg	-	-	-	-	-
Patitapabana Sahoo,	Nirakar Sahoo,	do	do		-	20° 59' 18.87"	84° 57' 42.74"	Yes	do	do	do	8 kg	-	-	-	-	-
Sudhakar Pradhan,	Prabhakara Pradhan,	do	do		-	20° 59' 19.39"	84° 57' 43.23"	Yes	do	do	do	8 kg	-	-	-	-	-

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						H	L	A		
Ansuman Pradhan,	Ajaya Pradhan,	do	do	7008668631	-	20° 59' 35.92"	84° 57' 43.8"	Yes	do	do	do	8 kg	-	-	-	-	-
Bikash Kumar Pradhan,	Bhabagrahi Pradhan,	do	do	8658798221	-	20° 59' 29.35"	84° 57' 44.66"	Yes	do	do	do	8 kg	-	-	-	-	-
Jayanta Kumar Pradhan,	Dukhabandhu Pradhan,	do	do		-	20° 59' 32.79"	84° 57' 44.78"	Yes	do	do	do	8 kg	-	-	-	-	-
Aswini Kumar Sahoo,	Ajaya Sahoo,	do	do	7077852734	-	20° 59' 20.06"	84° 57' 43.39"	Yes	do	do	do	8 kg	-	-	-	-	-
Dibya Ranjan Pradhan	Rajkishore Pradhan,	do	do	9178720366	-	20° 59' 21.41"	84° 57' 44.09"	Yes	do	do	do	8 kg	-	-	-	-	-
Amiya Ranjan Pradhan,	Madhaba Ch. Pradhan,	do	do	8117872873	-	20° 59' 36.10"	84° 57' 41.81"	Yes	do	do	do	8 kg	-	-	-	-	-
Amar Pradhan,	Haramohan Pradhan,	do	do		-	20° 59' 24.79"	84° 57' 44.52"		do			8 kg	-	-	-	-	-
Prasanta Kumar Pradhan,	Prafulla Pradhan,	do	do	9861252454	-	20° 59' 30.29"	84° 57' 44.11"	Yes	do	do	do	8 kg	-	-	-	-	-
Monaranjan Pradhan,	Jadaba Pradhan,	do	do	-	-	20° 59' 24.29"	84° 57' 44.97"	Yes	do	do	do	8 kg	-	-	-	-	-
Laxmidhara Behera,	Duari Behera,	do	do		-	20° 59' 17.64"	84° 57' 42.97"	Yes	do	do	do	8 kg	-	-	-	-	-

b) Crop 2(Groundnut)

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						H	L	A		
NiratiPradhan	DayanidhiSahoo	Samakoi	Angul	-		20°47' 51.12"	85° 8' 16.9"	Yes	Urea (11.8 kg/ha), DAP (108.7 kg/ha), MOP (66.7 kg/ha)	Variety; Seed treatment	Kadiri 6	30 kg	26.4	20.8	25.3	26.4	
AgadhuSahoo,	NiranjanaSahoo	Samakoi	Angul	9692382946		20°47' 33.88"	85° 8' 9.31"	Yes	do	do	do	30 kg					

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						H	L	A		
MuraliSahu	MadhabaSahu	Samakoi	Angul	9937438463		20°47' 28.86"	85° 8' 34.76"	Yes	do	do	do	30 kg					
LokanathSahoo ,	PadmanavaSahoo	Samakoi	Angul	8658855379		20°47' 15.28"	85° 8' 17.28"	Yes	do	do	do	30 kg					
Subrata Kumar Pradhan	SriharsaPradhan	Samakoi	Angul	-		20°47' 16"	85° 8' 49.37"	Yes	do	do	do	30 kg					
SharatSahoo	GandharbaSahoo	Samakoi	Angul	-		20°47' 8.12"	85° 8' 52.8"	Yes	do	do	do	30 kg					
RajendraSahu	KalpataruSahu	Samakoi	Angul	9078225072		20°47' 12.10"	85° 8' 30.68"	Yes	do	do	do	30 kg					
NabinaSahoo	KuthaduSahoo	Samakoi	Angul	9078753693		20°47' 16.95"	85° 8' 27.73"	Yes	do	do	do	30 kg					
BasantaSahoo	PadukaSahoo	Samakoi	Angul	-		20°47' 14.02"	85° 8' 56.41"	Yes	do	do	do	60 kg					
Arun Kumar Sahu,	ArakshitaSahu	Samakoi	Angul	9777791314		20°47' 27.79"	85° 8' 32.35"	Yes	do	do	do	60 kg					
RumaBehera,	BitaBehera	Samakoi	Angul	-		20°47' 12.17"	85° 8' 55.16"	Yes	do	do	do	30 kg					
KabiSahu,	S/o-KuthtuSahu	Samakoi	Angul	-		20°47' 25.4"	85° 8' 42.8"	Yes	do	do	do	30 kg					
AgastiBehera	ChatubhujaBehera	Samakoi	Angul	-		20°47' 19.45"	85° 8' 51.24"	Yes	do	do	do	30 kg					
DaktarSahu	KarttikSahoo	Samakoi	Angul	-		20°47' 16.25"	85° 8' 36.91"	Yes	do	do	do	30 kg					
TihuluSahoo	S/o-KandiaSahoo	Samakoi	Angul	7327052763		20°47' 50.21"	85° 8' 35.08"	Yes	do	do	do	30 kg					
ChaubanSahoo	NarendraSahoo	Samakoi	Angul	8658975464		20°47' 11.50"	85° 8' 55.23"	Yes	do	do	do	30 kg					
KoutukSahu	Shankar Sahoo	Samakoi	Angul	-		20°47' 9.19"	85° 8' 35.6"	Yes	do	do	do	30 kg					
BabulaSahu	ShyamaSahu,	Samakoi	Angul	-		20°47' 39.17"	85° 8' 15.5"	Yes	do	do	do	30 kg					
SanjayaSahoo	S/o-BansidharaSahoo	Samakoi	Angul	9938824560		20°47' 25.44"	85° 8' 38.85"	Yes	do	do	do	30 kg					
TanguruBagha,	MadanBagha	Samakoi	Angul	-		20°47' 17.12"	85° 8' 20.18"	Yes	do	do	do	30 kg					
AkhilaPradhan	ChintamaniPradhan	Samakoi	Angul	7606031194		20°47' 30.65"	85° 8' 18.47"	Yes	do	do	do	30 kg					
GurianiSahoo	ChintamaniSahoo	Samakoi	Angul	-		20°47' 16.18"	85° 8' 17.42"	Yes	do	do	do	30 kg					
SantoshSahoo	MadhiaSahoo	Samakoi	Angul	-		20°47' 3.17"	85° 8' 39.17"	Yes	do	do	do	30 kg					
AntaraSahoo	GurubariaSahoo	Samakoi	Angul	-		20°47' 27.15"	85° 8' 36.8"	Yes	do	do	do	30 kg					

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						H	L	A		
Bikash Kumar Pradhan,	KrushnachandraPradhan	Samakoi	Angul	-		20°47' 42.68"	85° 8' 31.7"	Yes	do	do	do	30 kg					
MiluSahoo	MandaraSahoo	Samakoi	Angul	-		20°47' 23.8"	85° 8' 7.8"	Yes	Urea(20.3 kg/ha), DAP(87.0 kg/ha), MOP(66.7 kg/ha)	do	do	30 kg					
NirmalaSahoo	PadiaSahoo	Samakoi	Angul	-		20°47' 17.18"	85° 8' 44.20"	Yes	do	do	do	30 kg					
PadminiSahu	AmulyaSahu	Samakoi	Angul	-		20°47' 32.41"	85° 8' 42.32"	Yes	do	do	do	30 kg					
BhujanSahoo	KholanaSahoo	Samakoi	Angul	-		20°47' 57.2"	85° 8' 42.38"	Yes	do	do	do	30 kg					
HaladharaSahoo	MandaraSahoo	Samakoi	Angul	-		20°47' 10.4"	85° 8' 38.5"	Yes	do	do	do	30 kg					
Ramesh Sahoo	ShukadevSahoo,	Samakoi	Angul	-		20°47' 19.25"	85° 8' 52.15"	Yes	do	do	do	30 kg					
NiratiSahoo	BiraSahoo	Samakoi	Angul	-		20°47' 18.5"	85° 8' 45.71"	Yes	do	do	do	30 kg					
TihiluSahoo,	MandaraSahoo,	Samakoi	Angul	7327052763		20°47' 24.08"	85° 8' 28.01"	Yes	do	do	do	30 kg					
PramodBehera	SudeiBehera	Samakoi	Angul	-		20°47' 46.13"	85° 8' 13.18"	Yes	do	do	do	30 kg					
PanchuSahoo	AnandiSahoo,	Samakoi	Angul	9777950022		20°47' 26.9"	85° 8' 13.15"	Yes	do	do	do	30 kg					
NilambaraSahoo	BharataSahoo	Samakoi	Angul	-		20°47' 9.46"	85° 8' 15.92"	Yes	do	do	do	30 kg					
PadukaSahu	DebanandaSahoo	Samakoi	Angul	-		20°47' 47.5"	85° 8' 23.6"	Yes	do	do	do	30 kg					
GaganSahoo	AniaSahoo	Samakoi	Angul	-		20°47' 8.18"	85° 8' 30.42"	Yes	do	do	do	30 kg					
HadibandhuBehera	JogiBehera	Samakoi	Angul	9777856933		20°47' 5.30"	85° 8' 18.73"	Yes	do	do	do	30 kg					
BibhutiBhusanPradhan	BibhutiBhusanPradhan	Samakoi	Angul	7978044372		20°47' 14.12"	85° 8' 55.08"	Yes	do	do	do	30 kg					
BidyadharaSahu	GobardhanaSahu	Samakoi	Angul	9937983291		20°47' 37.81"	85° 8' 7.72"	Yes	do	do	do	30 kg					
BhramaraBagha	BiraBagha	Samakoi	Angul	-		20°47' 9.17"	85° 8' 42.3"	Yes	do	do	do	30 kg					
SurjaSahoo	TrailokyaSahoo	Samakoi	Angul	-		20°47' 29.18"	85° 8' 52.18"	Yes	do	do	do	30 kg					
ParsuramSahu	NiranjanaSahu,	Samakoi	Angul	9692382946		20°47' 10.23"	85° 8' 36.18"	Yes	do	do	do	30 kg					
ChikuPradhan	DilipPradhan	Samakoi	Angul	8018866141		20°47' 28.91"	85° 8' 34.12"	Yes	do	do	do	30 kg					

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						H	L	A		
AmiyaPradhan	BipinPradhan	Samakoi	Angul	7873916557		20°47' 30.15"	85° 8' 8.20"	Yes	do	do	do	30 kg					
ChhabiPradhan	RaghunathaPradhan	Samakoi	Angul	8018184996		20°47' 12.18"	85° 8' 35.15"	Yes	do	do	do	30 kg					
BabajiSahoo	TankadharaSahoo	Samakoi	Angul	-		20°47' 12.2"	85° 8' 30"	Yes	do	do	do	30 kg					

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) 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													
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													

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
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													

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
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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	2		27	27		3	3					30	30
Bee-keeping													
Integrated farming	1	13	2	15							13	2	15
Seed production													
Production of organic inputs	1	15		15							15		15
Integrated Farming													

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
Bio-control of pests and diseases	1	9	6	15							9	6	15
Integrated pest and disease management	1	11	4	15							11	4	15
Planting material production	1	15		15							15		15
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	2	24	6	30							24	6	30
Value addition													
Production of quality animal products													
Dairying	1	9	6	15							9	6	15
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	1	9	6	15							9	6	15
Para vets													
Para extension workers													
Composite fish culture	1	13	2	15							13	2	15
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	**12**	**118**	**59**	**177**	**0**	**3**	**3**	**0**	**0**	**0**	**118**	**62**	**180**

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	1		14	14					1	1		15	15
Value addition													
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	1	11	3	14	1		1				12	3	15
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													

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
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	1				10	3	13		2	2		15	15
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	**3**	**11**	**17**	**28**	**11**	**3**	**14**	**0**	**3**	**3**	**12**	**33**	**45**

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	2	48	2	50							48	2	50
Resource Conservation Technologies													
Cropping Systems	1	14	7	21	2	2	4				16	9	25
Crop Diversification	1	23		23	1		1	1		1	25		25
Integrated Farming													
Water management	1	14	11	25							14	11	25
Seed production													
Nursery management													
Integrated Crop Management	2	27	22	49				1		1	28	22	50
Fodder production	1	18	7	25							18	7	25
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	1	4	21	25							4	21	25
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	1	20	5	25							20	5	25
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													

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
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	1	15	10	25							15	10	25
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	1	23	2	25							23	2	25
Soil and Water Conservation													
Integrated Nutrient Management	1	21	4	25							21	4	25
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	1	16	9	25							16	9	25
Poultry Management	3	36	35	71		4	4				36	39	75
Piggery Management													
Rabbit Management													
Disease Management	2	18	30	48	1	1	2				19	31	50
Feed management	3	42	33	75							42	33	75
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		24	24	1		1				1	24	25

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
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1		25	25								25	25
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	1		25	25								25	25
Enterprise development													
Value addition	3		68	68	6		6	1		1	7	68	75
Income generation activities for empowerment of rural Women	1		23						2			25	25
Location specific drudgery reduction technologies	2		50	50								50	50
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	25									25		25
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	95	46	141	2	7	9				97	53	150
Integrated Disease Management	1	16	9	25							16	9	25
Bio-control of pests and diseases	1	17	8	25							17	8	25
Production of bio control agents and bio pesticides													
Others, if any (Organic farming)	1	23	2	25							23	2	25
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1	12	11	23	1	1	2				13	12	25
Composite fish culture & fish disease	3	19	55	74		1	1				19	56	75
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	1	17	8	25							17	8	25
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													

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
Fish pond preparation & its Management	1	24		24				1		1	25		25
Enhancement of pond productivity through stocking of stunted yearlings	1	24		24				1		1	25		25
Desi Magur culture	1	11	11	22	3		3				14	11	25
Enhancement of water productivity by suitable management practices	1	13	11	24		1	1				13	12	25
Multiple breeding Techniques of Common Carp	1	10	12	22	2	1	3				12	13	25
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	2	37	11	48	1	1	2				38	12	50
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Agro-forestry	3	67	8	75							67	8	75
Production technologies	4	59	41	100							59	41	100
Nursery management	1	21	1	22	1		1	1	1	2	23	2	25
Integrated Farming Systems													
Value addition	2	31	11	42	4	1	5	2	1	3	37	13	50
XII. Others (Pl. Specify)													
TOTAL	**63**	**860**	**658**	**1470**	**25**	**20**	**45**	**8**	**7**	**10**	**893**	**682**	**1575**

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													

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
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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	1	11	4	15							11	4	15
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers	1	14	1	15							14	1	15
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1	15		15							15		15
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	1	11	4	15							11	4	15
Cage & Pen culture technique	1	5	1	6	4	1	5	4		4	13	2	15
TOTAL	**5**	**56**	**10**	**66**	**4**	**1**	**5**	**4**	**0**	**4**	**64**	**11**	**75**

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	2	48	2	50							48	2	50
Resource Conservation Technologies													
Cropping Systems	1	14	7	21	2	2	4				16	9	25
Crop Diversification	1	23		23	1		1	1		1	25		25
Integrated Farming													
Water management	1	14	11	25							14	11	25
Seed production													
Nursery management													
Integrated Crop Management	2	27	22	49				1		1	28	22	50
Fodder production	1	18	7	25							18	7	25
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**8**	**144**	**49**	**193**	**3**	**2**	**5**	**2**	**0**	**2**	**149**	**51**	**200**
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	1	4	21	25							4	21	25
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	**1**	**4**	**21**	**25**							**4**	**21**	**25**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	20	5	25							20	5	25
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	**1**	**20**	**5**	**25**							**20**	**5**	**25**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	1	15	10	25							15	10	25

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
Others, if any													
TOTAL	**1**	**15**	**10**	**25**							**15**	**10**	**25**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
III. Soil Health and Fertility Management													
Soil fertility management	1	23	2	25							23	2	25
Soil and Water Conservation													
Integrated Nutrient Management	1	21	4	25							21	4	25
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	**2**	**44**	**6**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**44**	**6**	**50**
IV. Livestock Production and Management													
Dairy Management	1	16	9	25							16	9	25
Poultry Management	3	36	35	71		4	4				36	39	75
Piggery Management													
Rabbit Management													
Disease Management	2	18	30	48	1	1	2				19	31	50
Feed management	3	42	33	75							42	33	75
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL	**9**	**112**	**107**	**219**	**1**	**5**	**6**	**0**	**0**	**0**	**113**	**112**	**225**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1		24	24		1	1					25	25

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
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1		25	25								25	25
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	1		25	25								25	25
Enterprise development													
Value addition	3		68	68		6	6		1	1		75	75
Income generation activities for empowerment of rural Women	1		23						2			25	25
Location specific drudgery reduction technologies	2		50	50								50	50
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL	**9**	**0**	**215**	**215**	**0**	**7**	**7**	**0**	**3**	**1**	**0**	**225**	**225**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	25									25		25
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	**1**	**25**									**25**		**25**
VII. Plant Protection													
Integrated Pest Management	6	95	46	141	2	7	9				97	53	150
Integrated Disease Management	1	16	9	25							16	9	25
Bio-control of pests and diseases	1	17	8	25							17	8	25
Production of bio control agents and bio pesticides													
Others, if any	1	23	2	25							23	2	25
TOTAL	**9**	**151**	**65**	**216**	**2**	**7**	**9**	**0**	**0**	**0**	**153**	**72**	**225**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1	12	11	23	1	1	2				13	12	25
Composite fish culture & fish disease	3	19	55	74		1	1				19	56	75
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	1	17	8	25							17	8	25
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													

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
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Fish pond preparation & its Management	1	24	1	25				1		1	25		25
Enhancement of pond productivity through stocking of stunted yearlings	1	24		24				1		1	25		25
Desi Magur culture	1	11	11	22	3		3				14	11	25
Enhancement of water productivity by suitable management practices	1	13	11	24		1	1				13	12	25
Multiple breeding Techniques of Common Carp	1	10	12	22	2	1	3				12	13	25
Others, if any													
TOTAL	**10**	**130**	**109**	**239**	**6**	**4**	**10**	**2**	**0**	**2**	**138**	**112**	**250**
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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	37	11	48	1	1	2				38	12	50
WTO and IPR issues													
Others, if any													
TOTAL	**2**	**37**	**11**	**48**	**1**	**1**	**2**				**38**	**12**	**50**
XI Agro-forestry													
Agro-forestry	3	67	8	75							67	8	75
Production technologies	4	59	41	100							59	41	100
Nursery management	1	21	1	22	1		1	1	2	3	23	2	25
Integrated Farming Systems													
Value Addition	2	31	11	42	4	1	5	2	1	3	37	13	50
TOTAL	**10**	**178**	**61**	**239**	**5**	**1**	**6**	**3**	**3**	**6**	**186**	**64**	**250**
XII. Others (Pl. Specify)													
TOTAL	**63**	**860**	**658**	**1470**	**25**	**20**	**45**	**8**	**4**	**12**	**893**	**682**	**1575**

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	2		27	27		3						27	30
Bee-keeping													
Integrated farming	1	13	2	15							13	2	15
Seed production													
Production of organic inputs	1	15		15							15		15
Bio-control of pests and diseases	1	9	6	15							9	6	15
Integrated pest and disease management	1	11	4	15							11	4	15
Planting material production	1	15		15							15		15
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	2	24	6	30							24	6	30
Value addition													
Production of quality animal products													
Dairying	1	9	6	15							9	6	15
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture	1	13	2	15							13	2	15
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	1	9	6	15							9	6	15
Others if any (ICT application in agriculture)													
TOTAL	**12**	**118**	**59**	**177**	**0**	**3**	**0**	**0**	**0**	**0**	**118**	**62**	**180**

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	1		14	14					1	1		15	15
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1	11	4								11	4	15
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers	2	25	4	29	1		1				26	4	30
Capacity building for ICT application													

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
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1	15		15							15		15
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	1				10	3			2			15	15
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification	1	11	4								11	4	15
Cage & Pen culture technique	1	5	1	6	4	1	5	4		4	13	2	15
Others if any													
TOTAL	**8**	**67**	**27**	**94**	**15**	**4**	**19**	**4**	**3**	**7**	**86**	**34**	**120**

Action Photographs on Training

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	F/FW	Integrated weed management in kharif maize	1	Off campus	25	0	25	0	0	0
Agronomy	F/FW	Crop diversification in rainfed upland under rice based cropping system	1	Off campus	25	0	25	2	0	2
Agronomy	F/FW	Major weed management practices in rainfed rice	1	Off campus	23	2	25	0	0	0
Agronomy	F/FW	Integrated nutrient management in major pulses	1	Off campus	21	4	25	0	0	0
Agronomy	F/FW	Improved agronomic practices for major fodder crops	1	Off campus	18	7	25	0	0	0
Agronomy	F/FW	Improved method of cultivation of rabi pulses in rice-fallow situation	1	Off campus	16	9	25	2	2	4
Agronomy	F/FW	Improved planting methods for increasing yield and economics of sugarcane cultivation	1	Off campus	16	9	25	0	0	0
Agronomy	F/FW	Improved methods of sweetcorn cultivation	1	Off campus	12	13	25	1	0	1
Agronomy	F/FW	Water management in major oilseeeds	1	Off campus	14	11	25	0	0	0
Agronomy	F/FW	Nutrient management based on soil health cards	1	Off campus	23	2	25	0	0	0
Agronomy	RY	Bio ferilisers and their use in agriculture for better soil health and enhancing crop productivity	2	On campus	15	0	15	0	0	0
Agronomy	RY	Crop based integrated farming system for enhancing farm productivity	1	On campus	13	2	15	0	0	0
Agronomy	IS	Resorce conservation technologies for sustainable crop production in rice based cropping system	2	Off campus	11	4	15	0	0	0
Agronomy	IS	Agro-adaptations to climate change for improved rice production	1	Off campus	11	4	15	0	0	0
Plant protection	F/FW	Integrated pest and disease management in solanaceous vegetables	1	Off campus	16	9	25	0	0	0
Plant protection	F/FW	Integrated pest management in kharif paddy	1	Off campus	8	10	18	1	6	7
Plant protection	F/FW	Management of pod borers in pigeon pea	1	Off campus	24	0	24	1	0	1
Plant protection	F/FW	Management of insect pests of mango	1	Off campus	22	3	25	0	0	0
Plant protection	F/FW	Seed treatment for insect pest and disease management	1	Off campus	17	8	25	0	0	0
Plant protection	F/FW	Disease management in banana	1	Off campus	9	16	25	0	0	0
Plant protection	F/FW	Integrated pest management practices in cole crops	1	Off campus	11	14	25	0	0	0
Plant protection	F/FW	Management of insect pests of onion	1	Off campus	14	10	24	0	1	1
Plant protection	F/FW	Use of neem and neem based pesticides	1	Off campus	23	2	25	0	0	0
Plant protection	RY	Use of bioagents in IPM practice(RY)	2	On campus	9	6	15	0	0	0
Plant protection	RY	Integrated pest and disease management in ground nut	2	On campus	11	4	15	0	0	0

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
Horticulture	F/FW	Improved package and practices of banana cultivation	1	Off campus	20	5	25	0	0	0
Horticulture	F/FW	Nursery raising techniques under low cost polyhouse	1	Off campus	4	21	25	0	0	0
Horticulture	F/FW	Propagation techniques of ornamental plants	1	Off campus	15	10	25	0	0	0
Horticulture	RY	Propagation techniques of fruit plants and nursery management	2	On campus	9	6	15	0	0	0
Animal Science	F/FW	Backyard poultry farming : A subsidiary business	1	Off campus	12	13	25		1	1
Animal Science	F/FW	Important diseases of cattle and its prevention	1	Off campus	10	15	25		1	1
Animal Science	F/FW	Important diseases of poultry and their prevention		Off campus	9	16	25	1		1
Animal Science	F/FW	Feeding and health management in goats1	1	Off campus	25		25			
Animal Science	F/FW	Diversified poultry farming	1	Off campus	14	11	25			
Animal Science	F/FW	Winter stress management of poultry birds	1	Off campus	10	15	25			
Animal Science	F/FW	Care and management of livestocks during summer	1	Off campus	16	9	25			
Animal Science	F/FW	Balanced feeding in dairy cattle	1	Off campus	4	21	25			
Animal Science	F/FW	Feeding of processed crop residues for better utilization by dairy animal	1	Off campus	13	12	25			
Animal Science	RY	New trends of feeding in dairy animals	2	On campus	9	6	15			
Animal Science	IS	Management of metabolic disorders in dairy cattle	1	Off campus	15					
Agriculture Extension	F/FW	Enhancing crop diversity leads to resilience	1	Off campus	19	6	25	1	1	2
Agriculture Extension	F/FW	Adoption of technology for sustainable agriculture	1	Off campus	19	6	25			
Agriculture Extension	RY	Contract farming: A refined marketing alternative	1	On campus	9	6	15			
Agriculture Extension	IS	Improving crop productivity and resource use efficiency to ensure food security	1	On campus		15	15		1	1
Agriculture Extension	IS	Value chain management for agri business management	1	On campus	12	3	15	1		1
Agriculture Extension	IS	Market intelligence and web based services	1	Off campus	14	1	15			
Home Science	F/FW	Mango leather preparation in solar dryer	1	Off campus		25	25		2	2
Home Science	F/FW	Paddy straw mushroom cultivation	1	Off campus		25	25		2	2
Home Science	F/FW	Planning & layout of Nutritional Garden	1	Off campus		25	25		1	1
Home Science	IS	Preparation of supplementary diet for pregnant mother and children	1	On		15	15		5	5
Home Science	F/FW	Azolla cultivation for milch cow	1	Off campus		25	25			
Home Science	RY	Spawn production for mushroom	2	On campus		15	15		3	3
Home Science	RY	Oyster mushroom cultivation in different substrate	2	On campus		15	15			

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
Home Science	F/FW	Use of paddy winnower for drudgery reduction	1	Off campus		25	25			
Home Science	F/FW	RTS preparation from stone apple	1	Off campus		25	25		4	4
Home Science	F/FW	Drying of oyster mushroom for income generation	1	Off campus		25	25		1	1
Home Science	F/FW	Storage loss minimization technique	1	Off campus		25	25			
Home Science	F/FW	Storage loss minimization technique	1	Off campus		25	25			
Forestry	F/FW	Preparation and Management of Horti-silvi groforestry model	1	Off campus	18	7	25			
Forestry	F/FW	Propagation techniques of bamboo, teak and sal species	1	Off campus	22	3	25	1	2	3
Forestry	F/FW	Intercultural practices in Agri-silvi agroforestry model	1	Off campus	24	1	25			
Forestry	F/FW	Agroforestry practices for soil conservation	1	Off campus	25		25			
Forestry	F/FW	Growing nitrogen fixing tress for energy plantation	1	Off campus	11	14	25			
Forestry	F/FW	Pruning and girdling techniques of forest trees	1	Off campus	10	15	25			
Forestry	F/FW	Plantation of forest tree for industry and their management	1	Off campus	17	8	25			
Forestry	F/FW	Collection and processing of NTFPs	1	Off campus	18	7	25			
Forestry	F/FW	Management of value addition of sal leaves	1	Off campus	19	6	25			
Forestry	F/FW	Prpopagation an dmangement of bamboo clumps	1	Off campus	20	5	25			
Forestry	RY	Forest nursery Preparation for production of quality planting material	2	KVK campus (On campus)	15		15			
Forestry	RY	Propagation and management of bamboo clumps	2	KVK campus (On campus)	15		15			
Fishery	F/FW	Carp fry and fingerling rearing	01	Off Campus	12	13	25	1	1	2
Fishery	F/FW	Maintenance of stocking density in Composite Pisciculture	01	Off Campus	6	19	25	0	0	0
Fishery	F/FW	Medium Carp culture in Composite system	01	Off Campus	7	18	25	0	0	0
Fishery	F/FW	Fish disease diagnosis & Management	01	Off Campus	6	19	25	0	1	1
Fishery	F/FW	Mono culture of freshwater prawn	01	Off Campus	17	8	25	0	0	0
Fishery	F/FW	Fish pond preparation & its Management	01	Off Campus	24	1	25	1	0	1
Fishery	F/FW	Enhancement of pond productivity through stocking of stunted yearlings	01	Off Campus	13	12	25	0	1	1
Fishery	F/FW	Desi Magur culture	01	Off Campus	14	11	25	3	0	3
Fishery	F/FW	Enhancement of water productivity by suitable management practices	01	Off Campus	13	12	25	0	1	1
Fishery	F/FW	Multiple breeding Techniques of Common Carp	01	Off Campus	12	13	25	2	1	3
Fishery	IS	Cage & Pen culture technique	01	Off Campus	5	1	6	8	1	9
Fishery	RY	Culture Techniques of Pangasius sutchi with IMC	02	On Campus	13	2	15	0	0	0

H) Vocational training programmes 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	
Honey bee	Small Scale Income generation	Rearing of honey bee	4	10		10	Small unit	2 boxes of *Apis cerana indica*	2	
Goatery	Income generation	Goat farming	5	10		10	Small scale	2	2	
Enterprise	Enterprise development	Entrepreneurship development through SHG	5		10	10	Small scale	2	2	1
Enterprise	Feed Management	Low cost fish feed preparation methods & its use	5	7	3	10	Mash feed & pellet feed preparation & sale through Aquashop	4	4	4
Bamboo	Production management	Identification of different bamboo species, their propagation and economics	4	10		10	Bamboo nursery	2	8	-

*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.		Water use efficiency	January-March	21	PF	18	259			266			525			525	ATMA

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	8	405	140	545	1.37	14	6	20	419	146	565
KisanMela	1	144	56	200	1.2	34	16	50	178	72	250
KisanGhosthi	4	35	42	77	0.8	2	3	5	37	45	82
Exhibition	10										Mass
Film Show	8	150	50	200	1.6	1	2	3	151	52	203
Method Demonstrations	12	116	64	180	2.2	2	2	4	118	66	184
Farmers Seminar											
Workshop	1	22	28	50	1.7	3	1	4	25	29	54
Group meetings	3	21	11	32	0.8	1	1	2	22	12	34
Lectures delivered as resource persons	14	384	196	580	3.2	22	5	27	406	201	607
Advisory Services	104										Mass
Scientific visit to farmers field	122	409	178	587	5.6	2	5	7	411	183	594
Farmers visit to KVK	1	332	88	420	1.6				332	88	420
Diagnostic visits	28	56	28	84	0.7	2	5	7	58	35	93
Exposure visits	4	27	13	40	0.3	1	4	5	28	17	45
Ex-trainees Sammelan	1	23	2	25		2	5	7	25	7	35
Soil health Camp											
Animal Health Camp	1	36	24	60	0.1	2	2	4	38	26	64
Agri mobile clinic											
Soil test campaigns	1	25	25	50	8	3	5	8	28	30	58
Farm Science Club Conveners meet	6	132	118	250	5.6	4	3	7	136	121	257
Self Help Group Conveners meetings	5		60	60	3		3	3		63	63
Mahila Mandals Conveners meetings	1		54		2		2	2		56	56
Celebration of important days (specify)	7	249	127	376	7	18	10	28	267	137	404
Sankalp Se Siddhi	1	144	56	200	1.2	34	16	50	178	72	250
Swatchta Hi Sewa	4	32	24	56	0.5			32	24	56	56
Mahila Kisan Divas	1		30	30	10	4	6	10	4	36	40
Address by Hon'ble prime minister in Krishi Unnati Mela	1	322	178	500	11	12	5	17	334	183	517
Total	**349**	**3064**	**1592**	**4656**	**22**	**163**	**107**	**270**	**3227**	**1699**	**4926**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	11
Radio talks	7
TV talks	1

Popular articles	2
Extension Literature	4
Technical report	22
Training material	5
Year planner	1
CDs/ DVDs	9

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
Total					

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided
Paddy	MTU 1001	26.6	66766	Supplied to OSSC
Grand Total		**26.6**	**66766**	

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	Marble	1245	2490	5
Cabbage	Harekrishna	415	830	3
Tomato	Bhagya, TO 1195	14940	29880	34
Brinjal	Arka Nilachal Shyama, JK 8031	29393	44186	124
Chilli	Daiya	12722	25444	69
Onion	Bhima Dark Red	242000	14520	10
Others				
Fruits				
Mango				
Guava				
Lime				
Papaya	Red Lady	409	8180	28
Banana				
Drumstick	Multiplex Dwarf	514	7710	53
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Total		**301638**	**133240**	**326**

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted
Bio-fertilizer(Vermicompost)	610	6100	18
Bio-pesticide			
Bio-fungicide			
Bio-agents (Honey)	7	2100	16
Others, please specify.Azolla	37.5	1500	13
Total	**654.5**	**9700**	**47**

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)	Pallishree, Vanraj	395	29558	12
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian Carp	Catla, Jayanti rohu & Mrigal	22200	18500	6
Exotic carp				
Mixed carp				
Fish fingerlings	Catla, Jayanti rohu & Mrigal, *Pangasius sutchi*, Desi Magur	39150	93550	19
Spawn				
Others (Pl. specify)				
Ornamental Fish	Molly, Guppy, Platy & Swordtail	900	14400	5
Grand Total		**62645**	**156008**	**42**

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

i) Name of Seed Hub Centre:

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

(2016-17 and 2017-18)	Fund received	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	Effect of sowing date and weed management on productivity and economics of rainfed mungbean (*Vigna radiata* L.)	T.K. Samant and T.R.Mohanty	1	*Indian Journal of Agronomy*
Research paper	Promotion of System of Rice Intensification (SRI)method in Rice cultivation	T.K. Samant	1	*International Journal of Science, Environment and Technology*
Research paper	A study on effect of brown manuring on growth, yield, economics and soil fertility in direct seeded rice	T.K. Samant	1	*Journal of Bio Innovation*
Research paper	Mineralogy of some floodplain soils under lower Mahanadi Delta of Odisha	K.N. Mishra, D.Jena and T.K. Samant	1	*Environment & Ecology*
Research paper	Impact of training programmes on the profitability of mushroom growers in Angul District of Odisha	Acharya, S. Satapathy, B And Mishra,I	1	*Journal of Krishi Vigyan*

Item	Title	Author's name	Number	Circulation
Research paper	Empowerment of farm women through location specific drudgery reducing technologies in Agriculture-A case study on Krishi Vigyan Kendras of Odisha	Acharya, S. Patra, D.	1	*International Journal of Researches in Biosciences, Agriculture and Technology*
Seminar/conference/ symposia papers	Practical approaches for diagnosis and treatment of coccidiosis in poultry	Monalisa Behera[1], Bineeta Satpathy[2] and Sumita Acharya[3]	1	National seminar on opportunities and challenges of translational research in the frontier areas of animal biotechnology
Books	-	-	-	-
Bulletins	Agro advisory bulletins	-	104	104
News letter	Krushi Taranga	All Scientist	2 (1000 copies)	News Letter (April-sept,2017 & Oct 17-March-18)
Popular Articles	Cheli palana: Bhumihina chasi nka jibikara unnati nimante naba diganta	Monalisa Behera, Bineeta Satpathy & Sumita Acharya	-	Krushi Jagaran, March 2018
Popular Articles	Khadya O Paribesha Nirapatta Pain Jaibika Udyan Krushi	Satpathy,B., Acharya, S.		Krishi Jagran February. 2018 (PP-50-54)
Book Chapter	-	-	-	-
Extension Pamphlets/ literature	Dhana phasalare matiagundi poka ra parichalana, Krusak ra unnati re krushi vigyan kendra ra bhumika	OUAT, KVK, Angul	1200	District exhibition and state level exhibition on Akshya Tritiya
Technical reports	APR, AP,Miscellaneous Reports	-	22	44
Electronic Publication (CD/DVD etc)	Sankalpa se Siddhi, International Soil day, Skill training on honey bee, feeding management in dairy, Kitchen garden , Doubling farmers income in module	-	9	9
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training Programme for Scientist (Agronomy) of KVKs	Orientation Training-cum-Refresher course	Mr.Tiryak Kumar Samanta, Scientist (Agronomy)	31.1.2018 (1 day)	ATARI, Kolkata
2.	Training Programme for Scientist (P.P) of KVKs	Orientation Training-cum-Refresher course	Mrs. Ipsita Mishra, Scientist (Plant Protection)	1.2.2018 (1 day)	ATARI, Kolkata

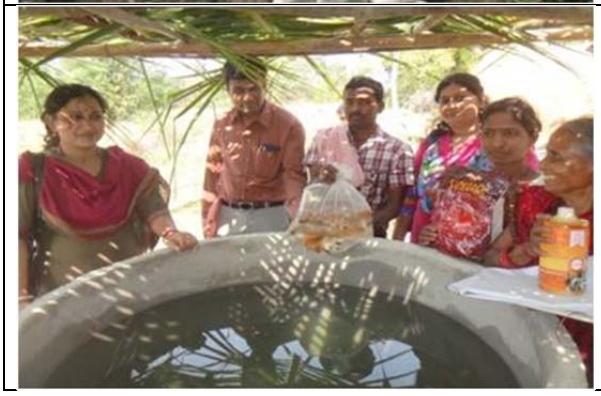
Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
3	Training Programme for Scientist (Animal Sc.) of KVKs	Orientation Training-cum-Refresher course	Dr. Monalisa Behera, Scientist (Animal Sc.)	3.2.2018 (1 day)	ATARI, Kolkata
4	Training Programme for Scientist (Fishery Sc.) of KVKs	Orientation Training-cum-Refresher course	R.P.Mishra, PA(Fishery)	3.2.2018 (1 day)	ATARI, Kolkata
5	Training Programme for Scientist (Agril. Extn.) of KVKs	Orientation Training-cum-Refresher course	Dr. Bineeta Satpathy, Senior Scientist & Head	6.2.2018 (1 day)	ATARI, Kolkata
6	Training Programme for Scientist (Home Sc.) of KVKs	Orientation Training-cum-Refresher course	Dr. Sumita Acharya, Scientist (Home Science)	6.2.2018 (1 day)	ATARI, Kolkata

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

Name of farmer	**Mr. Nityananda Pradhan**
Address	**Village: Talagarh, Block: Angul, Dist. : Angul**
Contact details (Phone, mobile, email Id)	Mob: 9938652362
Landholding (in ha.)	1.4 ha
Name and description of the farm/ enterprise	Paddy, Black gram, Green gram, Groundnut, Mango orchard, Poultry, Mushroom, Goatery
Economic impact	Mr. Pradhan earning a net annual income of about Rs. 84033/- through scientific poultry farming, goat farming, mushroom cultivation along with other crop components as compared to that of Rs.33708/-before two years ago.
Social impact	He became a well known farmer of his village and he is figured as great source of inspiration for fellow farmers.
Environmental impact	He motivated youths of his own village and nearby villages to adopt poultry farming and one women SHG already started their own poultry farms in their respective villages in small scale basis.
Horizontal/ Vertical spread	12% .His success motivated the other farmers of the village for initiating backyard poultry farming with improved Pallishree birds and made them self sustainable

Name of farmer	**Mr. Benudhar Pradhan**
Address	**Village: Durgapur, Block: Chhendipada, Dist: Angul**
Contact details (Phone, mobile, email Id)	M- 9938134116
Landholding (in ha.)	2.3
Name and description of the farm/ enterprise	Looking at the potential of banana cultivation in the district and his interest, KVK Scientists advised him to go for developing a small banana orchard in his 0.2 ha. Banana cultivation (Tissue culture var.G9)with utilization of the interspaces with off season vegetable cultivation like cauliflower, cabbage, Chilly etc. Hybrid Paddy, Arhar, Groundnut cultivation, in addition to fish farming, ornamental fish rearing and ducklings.
Economic impact	Mr. Pradhan earns a net annual income of about Rs. 4.37 lakh through his praiseworthy Integrated Farming Practices as compared to that of Rs.1, 59,000/- three years ago. His adoptable practices would be a ROLE MODEL for other small farmers across the state.
Social impact	For his outstanding innovations in the field of horticulture and allied sector he has been credited with the following awards; ❖ Progressive Farmer Award in Jai Kisan & Jai Vigyan Programme.instituted by KVK, Angul ❖ Participated at Foundation Day by OUAT, Bhubaneswar during August 2016-17 Best Farmer in Fishery Sector in District Level Taranga exhibition 2016, ATMA, Angul
Environmental impact	This type of practice is environmentally suitable due to recycling of waste & its utilization for fish farming.
Horizontal/ Vertical spread	The successful farming by Benudhar has already drawn the attention of many farmers within and outside the district. Moved by his progress, the farmer himself has intuition to further synergistically integrate his farming through apiary, Mushroom & vermicompost units that would add feathers to his farm returns.






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

Technology Transfer through broad based Extension system like Federation member farmers,master trainer farmers,mass media especially video documentation of improved technologies and exposure visit.

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

Participatory Rural Appraisal Survey method, semi-structured questionnaires,Technology gap analysis,Research-Extension Interface Meet,Focussed Group Discussion

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

Sl. No	Name of the Equipment	Qty.
1	Kel plus Automatic nitrogen or protein estimation system	1
2	Conductivity meter	1
3	Flame Photometer	1
4.	Automatic soil auger and bit	1
5.	Micro processor based pH meter	1
6.	Electrical stirrer	1
7.	Sieve with Brass Frame	1
8.	Refrigerator	1
9.	Digital analytical balance	1
10.	Hot Plate	1
11.	Hot Air Oven	1
12.	Servo Stabiliser	1
13.	Triple distillation set	1
14.	Binocular microscope	1
15.	Digital Spring Balance	1
16.	Water Bath	1
17.	Centrifuge	1
18.	Spectrophotometer	1
19.	Mridaparikshak	2 nos
20.	Regent Refilling Kit	3
21.	Kits for Mridaparikshak (Glasswares)	

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
138	105	243	712	20	

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Group Meeting, Exhibition, awareness	250	2	Mrs. Bharati Kisan, President, Z.P Sj. Anil Kumar Samal, IAS	200	200

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
Demonstration on okra plucker for drudgery reduction	1	25	Drudgery reduction in Okra plucking
Exposure visit of farmers to fishery unit	1	10	Pisciculture
Road show on organic farming	1	60	Organic farming
Entrepreneur's meet	1	15	Weed management, vermocompost, Dairy and Goatery management, Honey bee cultivation, piscculture, Mushroom cultivation
Demonstration on propagation methods of bamboo	1	25	Bamboo
Animal health camp	1	60	Livestock Disease management

3.14. RAWE/ FET programme - is KVK involved? (Y/N): Y

No of student trained	No of days stayed
17	50

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
18.4.2017	Mr.Chhabindra Raul,PS,ICAR	KVK & Module Village Visit
30.8.2017	Sj. Mahesh Sahoo, Hon'ble Chairperson, District Planning Committee, Angul and M. L.A, Pallahara Assembly Constituency	To attend Sankalpa se Siddhi Programme
30.8.2017	Sj. Rajanikant Singh, Hon'ble M. L.A, Angul	To attend Sankalpa se Siddhi Programme
30.8.2017	Sj. Sushant Kumar Behera, Hon'ble M. L.A, Chhendipada	To attend Sankalpa se Siddhi Programme
30.8.2017	Sj. Braja Kishore Pradhan, Hon'ble M. L.A, Talcher	To attend Sankalpa se Siddhi Programme
30.8.2017	Sj. Sanjeeb Kumar Sahoo, Hon'ble M. L.A, Athamallik	To attend Sankalpa se Siddhi Programme
30.8.2017	Smt. Basanti Kishan, President, Zilla Parishad, Angul	To attend Sankalpa se Siddhi Programme
30.8.2017	Collector and District Magistrate, Angul	To attend Sankalpa se Siddhi Programme
5.12.2017	Sj. Anil Kumar Samal, Collector & D.M	To attend World Soil Day

5.12.2017	Mrs. Bharati Kisan, President, Z.P	To attend World Soil Day
17.3.2018	Sj. Anil Kumar Samal, Collector & D.M	To attend the Live telecast programme of Hon'ble Prime Minister during Krishi Unnati Mela

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Cultivation of HYV upland rice (Satyabhama)	10	22	54363	66722
Pre-emergence application of Bensulfuron methyl(0.6%)+Pretilachlor(6%) @ 660g/ha at 3-7 DAT effectively controls most of the weeds during early growth stages of transplanted rice	10	15	67815	77025
Basal application of neem cake @2.5q/ha , Removal of affected shoot, use of pheromone trap @ 20 traps /ha, 6 times release of egg parasitoid *T.chilonis* @ 50,000/ha at 10 day interval .Alternate spraying of neem oil @ 5ml/lit and spinosad @ 3.5ml/lit of water	35	21	166400/-	218740/-
Use of pheromone trap @ 25/ha and Alternate spraying of neem based pesticide 5ml/lit and Spinosad 45 EC @ 50ml/ac	25	21	36310/-	81440/-
Substitution of local variety with improved variety of onion Bhima dark red	15	35	117980/-	169780/-
Back yard poultry var. Pallishree	10	12	2555/-	6756/-
Multiplication of Azolla (Variety. *Azolla caroliniana)*in low cost tank /pit of size 2mX1.5mX20cm and feeding 1-1.5kg Azolla per cow per day	40	16	15,600	18,300
Cultivation practices of oyster mushroom var. *Hypsizygous ulmarius*	40	23	17,400	22,700
Use of Multiple stocking and multiple harvesting method by Stocking of Catla: Rohu: Mrigal @ 5000/ha at 30:40:30 basis.	15	27	75000/-	3,00,000/-
Uniform spreading of Probiotics by mixing with feed i.e. Washorich @ 15 gm/kg feed twice daily upto harvest	13	31	64000/-	1,12,000/-
Stocking density @ 5000 fingerlings / ha.	15	21	82000/-	2,45,000/-
Use of sinking crumbled feed @ 5 % of total biomass	12	23	71,000/-	2,38,000/-
Application of Zymac @5 kg/acre in dry form, Envomin @10kg /acre mix with 150 litre water and Jinong @ 1litre/acre mix with 100 litre water at every 3 months interval	15	07	77,000/-	1,87,000/-
Culture of livebearers @ 130 numbers of live-bearers (one species/ variety) stocked with a male and female ratio of 1:3	20	18	-	4055/- per 300 sq.ft

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**
Cultivation of HYV upland rice (Satyabhama)	No. of villages:48, No. of Farmers:175

Pre-emergence application of Bensulfuron methyl(0.6%)+Pretilachlor(6%) @ 660g/ha at 3-7 DAT effectively controls most of the weeds during early growth stages of transplanted rice	No. of villages:78, No. of Farmers:143
Cultivation practices of oyster mushroom var. *Hypsizygous ulmarius*	No. of villages:67, No. of Farmers:187
Stocking of IMC yearlings @ 3000 no./ha. and harvest at every 3-4 months interval by giving feed (GNOC+Ricebran) at 1:1 ratio for total 10 months culture period	48 no./ 36.9 ha.
Use of Jayanti rohu for composite Pisciculture at the ratio of 30:40:30 (Catla, Jayanti rohu & Mrigal)	42 no./36.5 ha.
Stocking of IMC @5000 no./ha. and Fresh water Prawn @7500 no. / ha.	56 no./ 21.16 ha.
CIFAX @ 400 ml / ac. mixed with 200 ltr. water applied at the onset of disease / before disease occurrence.	44 no./ 28.2 ha.
Use of floating feed (2 mm) @ 8 % of the body weight of fingerlings of 100 gm and sinking feed @ 6-5 % of the body weight	55 no./25 ha.
Culture of livebearers @ 130 numbers of live-bearers (one species/ variety) stocked with a male and female ratio of 1:3	12 no./3600 sq.ft.area

Give information in the same format as in case studies

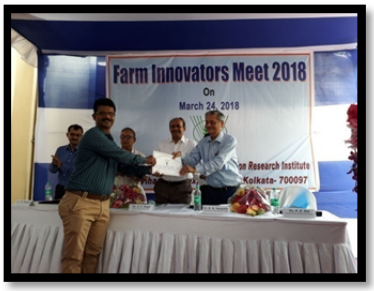
4.3. Details of impact analysis of KVK activities carried out during the reporting period

4.4. Details of innovations recorded by the KVK

Innovation-I

Thematic area	**Apiculture**
Name of the Innovation	Honey extractor
Details of Innovator	Name: Mr. Bijay Kumar bir Father's Name: Mr.Kambhu Bir Village: Bantala Mobile No.:9861935529 Adhar No.: 618716116078 Education: 12 th Number of boxes:17 Enterprises initiated: 2006
Back ground of innovation	Mr. BijayaBir of Bantala village of Angul district was feeling frustrated & depressed owing to unemployment. His situation was studied by several individuals and organizations. He started bee keeping in 2006 with 6 boxes with an initial investment of Rs.12,000/- only. As his profit increased, he started spending & increasing the number of bee units and boxes. Today he has raised the number of boxes from 6 to 17. On an average, he harvests 8 kg honey/ box. He sells honey @ Rs.300/kg earning approximately Rs.34,000/- from honey sale.
Technology details	Slowly due to his own interest he is now able to prepare the wooden bee boxes and other bee equipments like bee veil, queen gate, dummy board etc. Besides this he has his own innovation in making the honey extractor, after observing the loss of honey during extraction by sticking into the wall of the extractor which is difficult to collect.
Practical utility of innovation	The extractor made by him makes the extraction easier with minimum loss of honey in less time. At a time 7kg of honey can be extracted with this extractor.

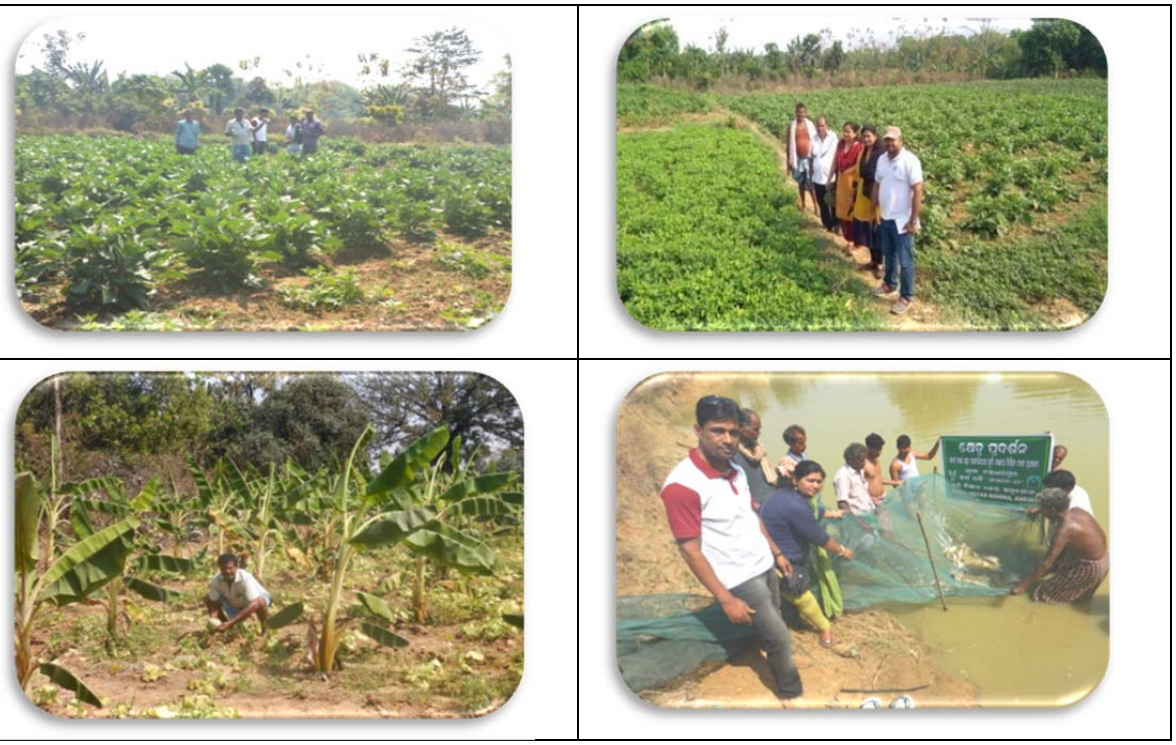
Innovation-II

Thematic area	**Drudgery Reduction**
Name of the Innovation	Paddy straw bundle cutter & Trolley is used for transportation of paddy straw bundles
Details of Innovator	Name:Mr. SneharabindaTripathy Father's Name:Mr.PromodChandra Tripathy Address of correspondence:Village: Bentapur, PO:Kangula,Block: Angul, Pin:759132,Dist: Angul Mobile No.:8895816480/ 7008804186 Adhar No.: 367342805528 Education: B.Sc. Size of land holding(acres):7.5 acres Enterprises initiated: 2014
Back ground of innovation	Initial idea from the KVK Scientists motivate him to prepare Paddy straw bundle cutter with a series of modification in diameter of the ring cutter according to the straw bundle size for standardization of the implement.
Technology details	Paddy straw bundle cutter is suitable to cut the whole straw Bundle at a time Height: 2'9" Width: 2'5" Weight: 15 Kg Motor: 1 hp, Ring Cutter-Diameter: 1' Trolley for transportation of paddy straw bundles Length:2' 10",Depth of tray:1' Two wheels with a galvanized tray and Handles to move
Practical utility of innovation	Paddy straw bundle cutter : Cutting of Paddy straw bundle in uniform size within less time i.e. average 350-400 Bundles/hr Wet Heavy Bundles carried at a time with less drudgery and time for preparing two paddy straw beds (20 Bundles/trip)and it also help to carry spent mushroom straw to his vermi unit by the Trolly.
	 

Innovation-III

Thematic area	**Fish Feed management**
Name of the Innovation	Integrated fish farming Technique by using locally available low cost feed ingradients
Details of Innovator	Sri Shanu Sahu, Village: Kosala, Chakradharpur, Block: Chhendipada, Dist: Angul
Back ground of innovation	Sri Sahu is a progressive farmer of age Fifty one. He was practicing fish farming from 2011 onwards on traditional basis and could not earn that much for his family. He was searching a newer method to earn profit to support his family. This eagerness motivated him to come in contact with KVK, Angul. Accordingly, KVK, Angul provided training on IFS to help him acquire adequate knowledge and skill in this technology & linking him to different Banks, Govt. Agencies for credit mobilization.

Technology details	He was collecting the used Tea leaves from nearby hotels, boiling of Ripe & Insect attacked Brinjals, other vegetables as fish feed as substitution of costly fish feed. He is also following the scientific pond management practices for more yield & income.
Practical utility of innovation	Before KVK Intervention he got profit of around 80,500. But today he is earning total Rs. 2,20,000 (i.e. Rs. 98,500 per year from sale of fish, Rs. 45,000 from banana cultivation & Rs. 19,000 from vegetable area of 0.1 ha). Besides these he is also get profit of 32,500 per year from cultivation of Paddy in 0.4 ha.area along with Rs. 25,000 from Groundnut area of 0.2 ha. Presently he is one of the Innovative farmers for technology promotion in nearby villages as well as economically empowered.About 8 farmers of their area motivated to start commercial fish production by using locally available fish feed Ingredients & IFS Technique.



4.5. Details of entrepreneurship development

Entrepreneurship development -I	
Name of the enterprise	**Mushroom cultivation and spawn production**
Name & complete address of the entrepreneur	Name:Mr. SneharabindaTripathy Father's Name:Mr.PromodChandra Tripathy Address of correspondence:Village: Bentapur, PO: Kangula, Block: Angul, Pin:759132, Dist: Angul Mobile No.: 8895816480/ 7008804186
Role of KVK with quantitative data support:	❖ Scientific management of Paddy straw mushroom cultivation training (2014-15) ❖ Trial on high yielding var. OSM 11 & OSM-12 (2016-17) ❖ FLD on Oyster mushroom var. *Hypsizygous ulmarius* (2015-16) ❖ Linkage with NHM for commercial Mushroom production & Spawn Unit resulted a 22 lakh project for him with subsidy ❖ Introduction of off season mushroom in Poly house to mitigate high demand of paddy straw mushroom ❖ Drying of Oyster Mushroom in solar dryer (2016-17) ❖ Effective utilization and conversion of spent mushroom substrate into vermin compost by availing subsidy from NHM and ATMA

<table>
<tr><td></td><td>❖ Supply of quality mushroom spawn from KVK.
❖ Linkage with NHM to establish one mushroom processing unit for production of mushroom Soup powder availing the Solar Dryer Subsidy under NHM Scheme.</td></tr>
<tr><td>Timeline of the entrepreneurship development</td><td>
<table>
<tr><td rowspan="2">Crop/ Enterprise</td><td colspan="2">Year(2014-15)</td><td colspan="2">Year(2015-16)</td><td colspan="2">Year(2016-17)</td></tr>
<tr><td>Production (Area/ No.of Beds)</td><td>Net Income (Rs.)</td><td>Production (Area/ No.of Beds)</td><td>Net Income (Rs.)</td><td>Production (No. of Beds)</td><td>Net Income (Rs.)</td></tr>
<tr><td>Paddy</td><td>84q (3.0 ha)</td><td>1,20,000</td><td>84q (3.0 ha)</td><td>1,20,000</td><td>90 q (3.0 ha)</td><td>1,30,000</td></tr>
<tr><td>Mushroom Spawn</td><td>-</td><td>-</td><td>12,000 Bottles</td><td>60,000</td><td>20,000 Bottles</td><td>1,00,000</td></tr>
<tr><td>Paddy straw mushroom</td><td>4320 kg (5400 Beds)</td><td>2,05,200</td><td>4050 kg (5400 Beds)</td><td>1,48,500</td><td>5760 Beds</td><td>1,15,200</td></tr>
<tr><td>Paddy straw mushroom in poly house</td><td>1440kg (2400 Beds)</td><td>1,20,000</td><td>1440kg (2400 Beds)</td><td>91,200</td><td>900kg (1500 Beds)</td><td>45,000</td></tr>
<tr><td>Oyster mushroom (4 months)</td><td>2420 kg (1100 Bags)</td><td>93,500</td><td>2500 kg (1000 Bags)</td><td>93,500</td><td>3360 kg (1200 Bags)</td><td>1,04,400</td></tr>
<tr><td>Vermi-composting</td><td>-</td><td>-</td><td>10 q</td><td>10,000</td><td>20 q</td><td>20,000</td></tr>
<tr><td>Total</td><td></td><td>5,38,700/-</td><td></td><td>5,27,200/-</td><td></td><td>5,14,600/-</td></tr>
</table>
</td></tr>
<tr><td>Technical Components of the Enterprise</td><td>Scientific management of Paddy straw & Oyster mushroom cultivation, Off season mushroom cultivation
Oyster mushroom var. Hypsizygous ulmarius, Paddy straw mushroom cultivation by high yielding var. OSM 11 give more yield</td></tr>
<tr><td>Status of entrepreneur before and after the enterprise</td><td>With technological backstopping from KVK, Angul, the farmer’s interest and ability to invest is sure to go in a big way and make Mr. Tripathy a happier person. His monthly income is more than Rs.40, 000/- now instead of Rs.10, 000/ before intervention.</td></tr>
<tr><td>Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):</td><td>Raw materials availability: Paddy straw for mushroom cultivation is from his own Paddy production
Labour availability: 2MD/day
Consumer Preference: Fresh Dry Paddy straw mushroom Buds
Marketing the product at NALCO market by himself
Paddy straw mushroom Rs.120/kg & in off season Rs 180/kg
Oyster mushroom Rs.60/kg</td></tr>
<tr><td>Horizontal spread of enterprise</td><td>112 commercial units in Angul District</td></tr>
</table>



Entrepreneurship development -II	
Name of the enterprise	**Stunted Yearling & fingerling production**
Name & complete address of the entrepreneur	Mr. Sunil Kumar Mishra, Village: Badakera, Block: Angul, Dist: Angul
Role of KVK with quantitative data support:	Frontline Demonstrations & On Farm Trials • Use of stunted yearlings (Var: IMC i.e. Catla, Rohu & Mrigal) • Introduction of repeated stocking and harvesting method for maximization of fish production • Inclusion of Jayanti rohu, *Pangasius sutchi,* F.W Prawn (*M. malcolmsonii*) in Composite fish culture Technique • Use of CIFAX & Aquanim-10X for disease management • Use of Probiotic feed additives & Jinong Aqua-mixture for feed management Vocational Trainings • Techniques of Stunted yearling production • Supplementary fish diet preparation from locally available low cost materials • Pond and feed management in composite fish culture • Value addition in Freshwater fishes • Tools and Techniques of organization of rural youth clubs
Timeline of the entrepreneurship development	2013-14 to 2017-18
Technical Components of the Enterprise	Fish farming along with Paddy, Sale of Stunted yearlings & fingerlings
Status of entrepreneur before and after the enterprise	Before KVK Intervention he was earning around 5.9 lakh from Fish & Paddy cultivation. Today he is earning Total Rs. 20.35 lakh (i.e. 5.15 lakh per year from fish sale, Rs. 12 lakh from sale of yearlings, Rs. 3.2 lakh from Paddy in 3 ha. area).
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	The farmer is now the chief volunteer of the Farmers' Club as well as economically empowered. He is a farmer leader as well as a resource person for technology promotion in various NGO's. Very recently he was felicitated by Director, Fisheries & Hon'ble Vice-Chancellor,OUAT as a successful farmer which has not only increased his confidence but also given a social recognition. He also Owns a pucca house, bike, Car and manages very well his family. He has also established one Aquashop for supplying of fish feed, medicines & other aquaculture equipments to other farmers of Angul district and nearby areas. His future plan is to establish one fish cum prawn farming unit which will inaugurate very recently.
Horizontal spread of enterprise	About ten farmers of their area motivated by him & started yearling production through stocking of more number of fingerlings in a small area. Farmers of nearby areas also learned that stunted yearling production & culture Technique not only provokes a farmer to adopt better management practices for higher yield but also contributes to substantial increase in yearly income.



4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Hort.Dept.Angul	Convergence programme : Training on Canopy management in mango orchards for farmers of including KVK Module village ,Verification of Nursery,Associated with NHB
Watershed, Angul	RAD programme, QPM for cashew improvement,Dairy Management, Linkage with Manager Sheep & Goat Breeding Farm Chiplima for Procurement of Black Bengal Buck, Procurement of IMC fingerlings
Agril.Dept., Angul	Cluster Demonstration,ATMA(Water use Efficincy training Programmes), NMOOP training programme, BPH infested field visit with line dept. field functionaries (Charakani,Chakradharpur, Chauriapal & Kosala villages of chhendipada , Kangula, Samakoi, Angarabandha villages of Angul, Aonlabereni, Rasunapal, Kanteikolia, Madhupur villages of kishornagar, Anantapali, Kuteswara, Baragaon of atthamalik Block),Field day of NMOOP,CSBD
Vet.Dept., Angul	Small animal development programme,(Goatery) / Vaccination and Deworming, AI Scheme , Verification of Schemes along with bank linkage
Fishery Dept., Angul	Distribution of IMC fingerlings,Verification of Schemes
DSWO, Angul	In-service training programme for AWWs & Extension Functionaries on Supplementary diet for pregnant, Lactating Mother and children from location specific food. Calorie & Protein value estimated for additional SNP for severely underweight children in the district Method Demonstration on Oyster Mushroom cultivation to SHGs under Mission Shakti for income generation
CIFA,Bhubaneswar	Procurement of IMC spawn & fry
OUAT,Bhubaneswar	Procurement of Paddy seeds,Planting Materials, Tricho cards, Poultry,mushroom mother spawn
CHES,Bhubaneswar	QPM of fruits & Vegetables
OSSC,Bhubaneswar	Sale of foundation seed of paddy

5.2. List of special programmes undertaken during 2017-18 by 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.)
Kissan Mela	Farmers Exposure visit at CIMAP, Lucknow	31.01.18	DEE, OUAT	
Training on water use efficiency	Capacity buiding of farming community for enhancement of production	January-March,2018	ATMA	1,31,250

6. 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	
1.	Polyhouse	2011	27.87 sq.mt	F1	Vegetable seedling production	308974	30827	142660	Sold to Farmers and also utilized in FLD ,OFT
2.	Mushroom spawn	2011	13.38 sq.mt	*V.volvaceae* OSM-11 *P.sajorcaju Hypsizygous ulmarius*	Paddy straw and oyster Spawn	2800	28007	37940	
3.	Mushroom	2011	16 sq.mt	*V.volvaceae* OSM-11 *P.sajorcaju Hypsizygous ulmarius*	Paddy straw and oyster Mushroom	225.23 kg	5690	14944	
4.	Pisciculture	2006-Ornamental unit, 2017-Nursery pond & Desi Magur Tank	96.15 sq.mt	Catla, Jayanti rohu & Mrigal, *Pangasius sutchi,* Desi Magur	Fingerling/ fry	62250	36835	126450	
5.	Vermi-compost	2011	16 sq.mt	*Eisenia foetida*	Vermi compost	6.1 q	3300	6100	
6.	Azolla	2012	1 cu.mt	*Azolla caroliniana*	Azolla	37.5 kg		1500	
7.	Poultry	2013	13.93 sq.mt	Banaraja Pallishree, RIR	Live Birds/ Chicks	395	21457	29558	
8	Apiculture Unit	2010	59.4 sq.mt	*Apis cerana indica*	Honey	7 kg		2100	
	Total						**126116**	**361252**	

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	
Paddy	26.8.17	2912.17	1.6	MTU 1001	FS	26.6	78234	66766	seed production

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	610kg	3300	6100	Sold to farmers
2	Azolla	37.5 kg		1500	
3	Honey	7 kg		2100	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	Banaraja Pallishree,RIR	Live Birds/ Chicks	395	21457	29558	Sold to farmers and utilized in FLD
2.	Fish	IMC (Catla, Jayanti rohu & Mrigal)	Advanced fry	22,200	40,640	18,500	Significant achievement is possible by production of fry & fingerlings from a small concrete nursery tank within 2-3 month
3.	Fish	IMC (Catla, Jayanti rohu & Mrigal)	Fingerlings	15,250		30,500	
4	Fish	IMC (Catla, Jayanti rohu & Mrigal)	Advanced fingerlings	13,800		45,600	
5	Fish	Molly, Guppy, Platy & Swordtail	Fingerlings	900	2300	14,400	
6	Fish	Desi Magur	Advanced fingerlings	950	1030	14,250	
7	Fish	*Pangasius sutchi*	Advanced fingerlings	400	2280	3200	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
August	15	2	
September	15	2	
October	30	4	
December	45	6	
January	40	8	
February	40	19	
March	15	2	
Total :	200	43	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Yes
No. of staff quarters: 03
Date of completion: 2008
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK	SBI, ADB, Hulurisingha	Sikshyakpada, Angul	10220951144
RF	SBI, ADB, Hulurisingha	Sikshyakpada, Angul	30160005025
ATMA	SBI, ADB, Hulurisingha	Sikshyakpada, Angul	31027373302

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April,2018
	Kharif	Rabi	Kharif	Rabi	
Groundnut (30 ha.)	2.45	Nil	2.28	--	0.17
Sesamum (20 ha.)	1.08	--	0.90	--	0.18
Groundnut (30 ha.)	-	--	--	1.54	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2018
	Kharif	Rabi	Kharif	Rabi	
Blackgram (20 ha.)	1.49	--	1.18	--	0.31
Pigeon pea (10 ha.)	0.75	--	0.66	--	0.09
Greengram (20 ha.)	--	Nil	--	1.04	

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	76.60	76.60	To be Provided by Comptroller OUAT
2	Traveling allowances	1.30	1.30	
3	Contingencies			
A	Stationary , telephone, postage & other exp. on office running.	12.50	12.49	4.40
B	POL, repair of vehicle, tractor & equipments			1.10
C	Meals / Refreshment for trainees			2.38
D	Training materials			1.16
E	FLD except Oilseed & Pulses			1.57
F	On Farm Testing (OFT)			0.75
G	Training of Extension Functionaries			0.12
H	Maintainance of Building , Demo Units etc.			0.10
I	Live Telecaste of the address of Hon'ble P.M.			0.40
J	Celebration of World Meterology Day			0.06
K	Swatchta Expenditure			0.45
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Office Equipment/ Furniture	3.0	3.0	2.48
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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	0.83	2.68	1.50	2.01
2016-17	2.01	1.91	1.56	0.00 (profit 3.92 refunded to DEE,OUAT, Bhubaneswar)
2017-18	2.00	3.73	2.10	3.63 (Rs. 2.33 refunded to DEE,OUAT after making expenditure of Rs.1.25 under CFLD(O/P) Rabi 17-18 as per Memo No.1382/31.3.18 of DEE, OUAT, BBSR and leaving Rs.0.05 as minimum balance in the account.

7.6. (i) Number of SHGs formed by KVKs : Promoted 54 SHGs

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

- Method Demonstration on Oyster Mushroom cultivation to SHGs under Mission Shakti for income generation
- In-service training programme for AWWs of DSWO & Extension Functionaries of JSPL on Supplementary diet for pregnant, Lactating Mother and children from location specific food.
- Calorie & Protein value estimated for additional SNP for severely underweight children in the district and training programme on "Food & Nutrition" organized by Govt. of India, Distrct Adminstration supported by JSPL for awreness of AWWs & CDPOs

(iii) Details of marketing channels created for the SHGs

SHG of Module village Talagarh linked for sale of RTS from stone apple in Jyotirmayee MPCS stall in district level Exhibition

SHGs are linked with DRDA, FES- NGO for marketing of Mango and its value added products in Mango Hub.

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
NMOOP training programme on oilseed and pulse	1	Rabi	Agril.Dept., Angul		
Training on identification and management of insect pest of paddy	1	Kharif	Agril.Dept., Angul		
BPH affected field visit	5	Rabi	Agril.Dept., Angul		
ICRISAT training programme	1	Kharif	Agril.Dept., Angul		
Training on Canopy Management	1	Rabi	Horticulture department		
Animal health camp	1	Rabi	Animal husbandry department		
Trainning programmes on Water use efficiency			-	ATMA	
Training on Food & Nutrition for AWWs & CPDOs	1		DSWO		

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. *mKisan* Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	56	3,96,368
Livestock	26	82,654
Fishery	15	15,045
Weather	5	63,500
Marketing	2	25,782
Awareness	7	90,237
Training information	0	0
Other	13	62,166
Total	124	7,35,752

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*10376*
2.	No. of farmers registered in the portal	*12891*
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
17.9.17	Celebration of Seva Diwas
24.9.17	Celebration of Samagra Swachhata Diwas at Chakradharapur
25.9.17	Celebration of Sarwatra swachhata at Railway station, Angul
1.10.17	Cleaning of Maa Budhi Thakurani temple, Angul
Every Saturday	Cleaning of Office Campus by Staff

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	25	KVK Contigency
2. Basic maintenance	8	
3. Sanitation and SBM	12	
4. Cleaning and beautification of surrounding areas	18	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	1	
6. Used water for agriculture/ horticulture application	14	
7. Swachhta Awareness at local level	5	
8. Swachhta Workshops	1	

9. Swachhta Pledge	1	
10. Display and Banner	2	
11. Foster healthy competition	0	
12. Involvement of print and electronic media	0	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	
14. No of Staff members involved in the activities	14	
15. No of VIP/VVIPs involved in the activities	0	
16. Any other specific activity (in details)		
Total	**106**	

9.6. Observation of National Science day

Date of Observation	Activities undertaken
18.9.2017	Debate competition for High School Students on Swachha Bharat-Vigyan O Prajukti Vidya Sankalpa O Awhan

9.7. Programme with SeemaSurakshaBal (BSF)

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school:

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Kalapata High School, Talagarh	3.12.2017	-	Leaflet, Flex

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 Doordarshan (Yes/ No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman Zila Panchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
30.8.2017	0	0	0	2	1	0	3	350	50	406	No	No

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)
1	Celebration of Seva Diwas	1	20		
2	Celebration of Samagra Swachhata Diwas at Chakradharapur	1	7		
3	Celebration of Sarwatra swachhata at Railway station, Angul	1	7		
4	Cleaning of Maa Budhi Thakurani temple, Angul	1	20		

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)
1	Debate competition, Exhibition, awareness on women empowerment	12	30	-	-

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
1	Mrs. Binapani Rout	Village-Kusasingha, Block-Banarpal, Mob. 9668187337	Integrated farming system (Dairy, Poultry, Vegetables, floriculture, vermicomposting)
2	Chandrasekhar Sahu	Chakradharpur,Chhenipada Mob.No.9348536816	Paddy,Pulses,Dairy,Vegetable
3	Magata Pradhan	Jarasingha,Banapal Mob.9777856923	Fruit Orchard,Fishery,Floriculture
4	Lochana Sahu	Handiguda,Chhendipada Mob.9777204526	Integrated farming system (Dairy, Poultry, Vegetables, vermicomposting)
5	Bijaya Bir	Bantala,Angul Mob.9861935529	Honey Bee
6	Mr. Purna Chandra Sahu	Village- Bhogabereni, Block-Banarpal Mob. 7735009555	Dairy & Value addition
7	Mr. Benudhara Pradhan	Village-Durgapur, Block-Chhendipada Mob. 9777334255	Integrated farming system
8	Mr. Lalmohan Singh	Village-Purikia, Mob. 7377153574	Poultry, mushroom and dairy
9	Sri Shanu Sahu	AT- Chakradharpur, Kosala, B-Chhendipada, D-Angul Mob.9178655101	Fish feed
10	Mr. Sunil Kumar mishra	AT – Badakera, B – Angul, D – Angul Mob. 9337011151	Stunted yearlings & fingerlings
11	Sri Lambodar sahoo	AT – Dandasingha, B – Angul, D – Angul, Mob.9556829654	IFS with Ornamental fish rearing
12	Mr. Ajit Kumar dehury	AT – Kumurisingha, B –Angul, D– Angul, Mob.9938611299	Induced fish seed production
13	Bilarani Sahu	Barasingha, Angul Mob.9439365969	Mushroom
14	Kalyani Sahu	Kumursingha, Angul Mob.9776742848	Vegetable, Mushroom
15	Kabita Sahu	Jarasingha, Banarpal Mob.9556342187	Value addition
16	Rekha Sahu	Mahidharpur, Banarpal Mob.9853513385	Mushroom
17	Shantilata Sahu	Talagarh,Angul Mob.No.8658002090	Mushroom, Poultry, Value addition
18	Saudamini Sahu	Talagarh,Angul Mob.No.8018829277	Mushroom, Poultry, Value addition
19	Ritanjali Biswal	Hatigenj,Athamallik Mob.7608885960	Mushroom, Poultry
20	Mayadhar Pradhan	Talagarh,Angul Mob.No.8456011190	Integrated Farming (Paddy, Mushroom, Dairy, Vegetable, Mango)
21	Sudhansu Sekhar Pradhan	Sanjamura,Kishornagar Mob.7077282930	Paddy,Vegetable

Sl.No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
22	Duryodhan Sahu	Bargaunia,Angul Mob.9556191818	Paddy, Vegetable, Dairy
23	Sneharabina Tripathy	Bentapur,Angul Mob.8895816480	Mushroom

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
Orientation Training- cum-Refresher course	1 day	Mr.Tiryak Ku.Samanta	Scientist (Agronomy)	ATARI, Kolkata
Orientation Training- cum-Refresher course	1 day	Mrs. Ipsita Mishra	Scientist (Plant Protection)	ATARI, Kolkata
Orientation Training- cum-Refresher course	1 day	Dr. Monalisa Behera	Scientist (Animal Sc.)	ATARI, Kolkata
Orientation Training- cum-Refresher course	1 day	R.P.Mishra	PA (Fishery)	ATARI, Kolkata
Orientation Training- cum-Refresher course	1 day	Dr. Bineeta Satpathy	Senior Scientist & Head	ATARI, Kolkata
Orientation Training- cum-Refresher course	1 day	Dr. Sumita Acharya	Scientist (Home Sc.)	ATARI, Kolkata

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
N/A		

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	Angul	Varietal evaluation, INM; IWM, ICM, IPM, RCT, Enterprise development	20	7000	❖ Cultivation of drought tolerant rice variety (Sahabhagidhan, satyabhama, DRR 42, DRR 44) ❖ Rising of rice seedling under community nursery ❖ Application of Bispyribac sodium @25g/ha at 20 DAT for controlling of weed ❖ Seeds of 1320 q of pulses and oilseeds had supplied under

					ATMA ❖ Vegetables like brinjal, tomato, okra, cauliflower *etc* grown under NHM ❖ Growing of 2500 ha pulse crop under NFSM ❖ Demonstration of 20 ha groundnut, 20 ha greengram under CFLD ❖ Minikits of 6133 nos of pulse & oilseeds under NIMOOP, NFSM & ATMA ❖ Subsidy 75% on pesticides and 50% on sprayers & diesel pump ❖ 13140 Poultry chicks, 450 goats and mushroom spawn bottles have supplied ❖ Joint visit of KVK scientists and Agriculture officials regularly ❖ Awareness campaign and advisory for control of BPH in rice

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

a) Year:

b) Introduction / General Information:

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

11. Details of TSP

a. 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.)	

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. 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	

d. 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)

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
1	Best Fishery Entrepreneur	Sunil Kumar Mishra	2017-18	OUAT, BBSR	-	For success in stunted yearling & fingerling production

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

Average cost and return of the Concrete Nursery pond of KVK, Angul (Annual profit of Rs.82,600/- achieved from a Rectangular Concrete Nursery pond (25 x 15x 4) ft area only

Capital cost (Rs.)		
1 Rectangular fish pond (25 x 15x 4) ft		5,000.00
Other equipments like fish net, buckets, pipes		500
Sub-total		**5,500.00**
Culture cost (Rs.)		
30000 IMC fry stock at one time i.e. (Catla, Jayanti rohu & Mrigal) x 4 times (4 crops per year)	@185/- per 1000 fry	22200
Feed for one year (100 kg)	@ 20.00	2,000.00
Lime for one year (20 kg)	@ 20.00	400
Manures & Fertilizers	-	200
Labour & Miscellaneous		3000
Sub-total		**27800**
Production		
Sale		
22000 Advanced fry + 5000 fingerlings x 4 crops per year	@0.80 per Advanced fry & @ 2/- per fingerlings	**1,10,400.00**
Total sale 1,10,400.00		
Annual profit = (1,10,400.00- 27800.00) = 82600.00		**82,600**

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)

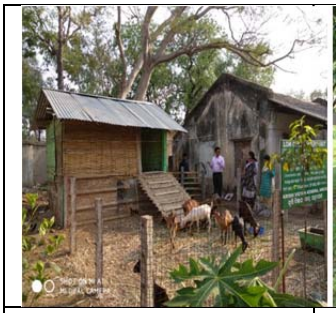
Sl. No.	Name of the organization / Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Charmalik Farmers Producer Company Limited	U01403OR2015PTC019684 16.12.2015	Sixteenth day of December Two Thousand Fifteen	Marketing of local Produce	Mango	10		

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS	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
1	Polyhouse for vegetable seedling	150 sq.m	308974 nos.F1 Vegetable Seedling	30827	142660		
2	Mushroom	16 sq.mt	225.23 Kg Oyster & Paddy Straw Mushroom	5690	14944		
3	Poultry	13.93 sq.mt	395 Live Birds/Chicks	21457	29558		
4	Honey		7 kg		2100		
5	Vermicompost		6.1 q	3300	6100		
6	Nursery Pond for Fish	34.83 sq. mt	22,200 Advanced fry of IMC (Catla, Jayanti rohu & Mrigal)	40,640	18,500/-		
			15,250 Fingerlings of IMC (Catla, Jayanti rohu & Mrigal)		30,500/-		
			13,800 Advanced fingerlings of IMC (Catla, Jayanti rohu & Mrigal)		45,600/-		

Action Photographs



Goatery demo unit

Apiary unit

Nursery pond for raising of fingerlings

Poly house

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	Weed management in Rice	Satyabhama ▪ Herbicide- Oxadiargyl @90 g/ha at 2 DAS	18450	11	
2	Nutrient management in Blackgram	HYV blackgram - PU 35 ▪ Rhizobium culture@20g/kg of seed ▪ NPK (20-40-20 kg/ha) ▪ Imidachloprid	12650	14	
3	Management of mango hopper	Application of Thiomethoxam@5gm/15 lt at interval 15 days	22637	6	
4	Mango leather in solar dryer	Mango leather with 0.1% KMSby solar dryer	Rs50/ kg	4	
5	Mushroom Cultivation	Var.*OSM 11* Presoaking of Paddy straw with 2% $CaCO_3$ (24 beds)	Rs67/ bed	18	
6	Line transplanting in Rice	▪ Line transplanting (Manual)	30360	20	
7	Disease & pest (F&S borer) management in brinjal	• Arka Neelachal Shyama • Spinosad @ 3.5ml in 15 lt	245740	14	
8	Fertilizer management in tomato	• Swarna Sampad	293480	17	
9	Seed treatment & Fertilizer management in onion	• Onion • Var. AFLR	86500	12	
10	feed management in cows	Feed prepn. Deworming and mineral mixture supple-mentation	25280/cow	17	
11	Health management in goats	Deworming PPR Vaccination	12800	5	
12	Round the year mushroom cultivation	▪ Var.OSM 11 ▪ Oyster Mushroom Var. *p.sajorcaju*	Rs67/ Bed Rs69/ bag	12	
13	Introduction of ornamental fishery in landless situation	▪ Ornamental Fish, Live-bearers (130 Nos.) @ =(M1:F4), breed 3 times / yr. ▪ feed mixture 23kg /yr ▪ Potassium permanganate @ 5 mg/lit	3290	5	

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
15	Varietal substitution in brinjal	Arka Neelachal Shyama	218740	6	
16	Azolla feeding in cows	Azolla	24700/cow	8	
17	Management of leaf folder in paddy	▪ Var. Satyabhama ▪ 6 times release of egg parasitoid T. chilonis @ 50,000/ha at 10 day interval and spraying of cartap hydrochloride 50%SP @ 400gm/acre	7758	11	
18	Varietal substitution in marigold	▪ Improved Variety var.Seracole	3676	4	
19	Inclusion of medium carp species with IMC	Incorporation of *Puntius sarana* @ 20 % or 2000 no./ha in the Major Carp system i.e. (Catla :Rohu :Mrigal) @ 10000 no. /ha and culture for 5-6 months	198300	3	

Action Photographs on Doubling Farmers' Income Activity

Management of leaf folder in paddy

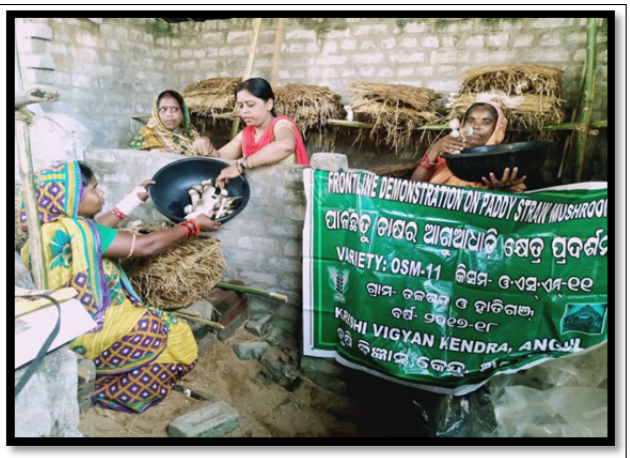
Management of mango hopper

Varietal substitution in brinjal

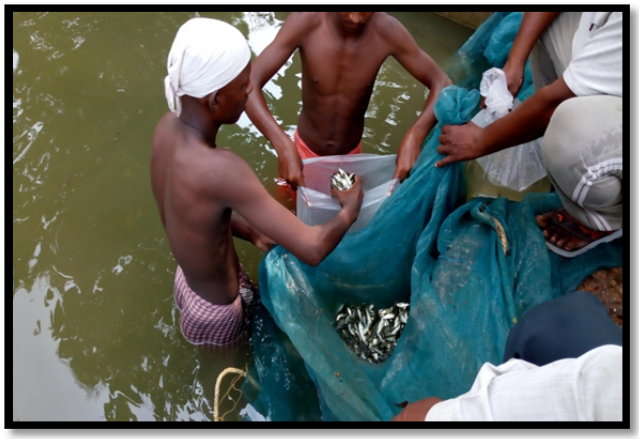
Disease & pest (F&S borer) management in brinjal

Action Photographs of Doubling Farmers' Income

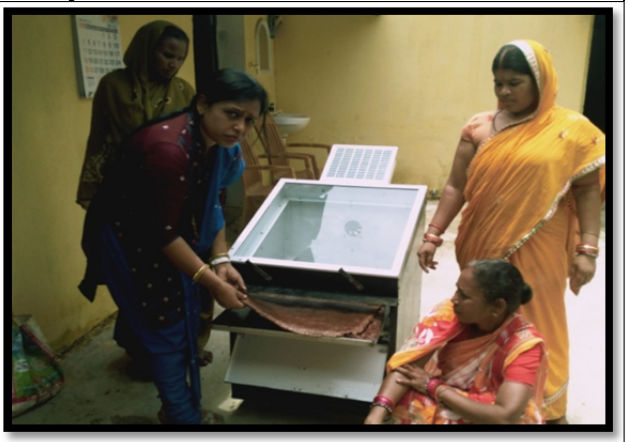
Improved Variety var.Seracole



Paddy straw Mushroom Cultivation OSM-11



Inclusion of medium carp species with IMC



Mango leather in solar dryer

Poultry Var.Pallishree

Feed management in cows

Azolla feeding in cows

Ornamental fishery in landless situation

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)	8	252			
II (up-to 24.04.218)	122	3017			
Total	**130**	**3269**			

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

Sl.No.	Name of the programme	Date of the programme	Venue (Villages)	Purpose	No. of participants
1	RAWE	4.8.17-20.9.17	Chakradharpur, Hatigenj, Kusasingha, Sanjamura	Practical Experiece in Agriculture Sector	17
2	RE Linkage	3rd Tuesday of Every month	KVK Campus	Reseacch Extension & Bank Linkage	240
3	Head to Head trial of IRRI rice varieties	29.06.17	Talagarh, Kusasingha, Kandanali, Chakaradharpur	Research	44
4	OFT on Blackgram	26.10.17	KVK Farm	Research	-

Action Photographs

RAWE programme for 17 B. Sc Ag. Students

RE Linkage Meeting

IRRI Head to head trials

OFT on Blackgram

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